Cumulative Assessments on UNIT 3

Cumulative Assessment 13 Till lessons (1 & 2) unit 3

1. Choose the correct answer.

a. $4 \times 354 = (4 \times 300) + (4 \times 50) + (\ ______\ )$

A. 4×4 B. 4×40 C. 4×400 D. 40×40

b. $(100 + 70 + 6) \times (20 + 9) = ______$

A. 176×209 B. 176×29 C. 176×92 D. 176×902

c. $7,000 + 50 + 400 + 0.6 + 0.07 = ______$

A. 754.67 B. 7.540.67 C. 7,450.67 D. 7,450.607

d. $9,571 \div 100 = ______$

A. 957,100 B. 957.1 C. 95.71 D. 9.751

e. $5.971 \approx ______$ (to the nearest Tenths)

A. 5.97 B. 5.10 C. 5.9 D. 6

2. Complete the following.

a. The common multiple of all numbers is ______

b. The G.C.F of 3 and 5 is ______

c. $567 \times 3 = (500 \times 3) + (______ \times 3) + (60 \times 3)$

d. $5 \times ______ = 20,000$

e. The value of zero in the number 3.04 is ______

f. $17 \times 509 = (10 + 7) \times (______ + 9)$

g. 50 Thousandths + 3 Hundredths = ______ Hundredths

3. Solve each of the following problems using an area model.

a. 304×14 b. 5×123 c. 23×44

4. Use the distributive property to solve each of the following.

a. 3×76 b. 12×213 c. 92×34

Cumulative Assessment 14 Till lessons (3 & 4) unit 3

1. Choose the correct answer.

a. What is the ones digit of the product of 953 × 23 will be without solving the whole problem?

A. 0 B. 2 C. 3 D. 9

b. 15 × 21 = ______

A. 135 B. 513 C. 315 D. 3,015

c. 3,496 = ______

A. 152 × 23 B. 152 × 32 C. 215 × 23 D. 215 × 32

d. 9,702 ÷ 10 = ______

A. 97.2 B. 970.2 C. 97.02 D. 9.702

e. 4.3 × 1,000 = ______

A. 43 B. 4,300 C. 43,000 D. 43

2. Find G.C.F and L.C.M of the following.

a. 12 and 18

b. 60 and 45

3. Find the result.

a. 3,241 × 54

b. 712 × 36

c. 4 × 589

d. 8.5 – 3.64

e. 21.46 + 7.491

f. 5 – 3.6

4. Determine the values of the missing digits and then find the product.

a.

```
      3 8
  ×   5 6
  -------
    A 2 8
+ B 9 0 0
  -------
    C
```

A = ______
B = ______
C = ______

b.

```
        2 4 0 3
  ×         5 4
  -------------
        9 B 1 2
+ 1 A 0 C 5 0
  -------------
        D
```

A = ______
B = ______
C = ______
D = ______

5. Fill in the area model starting at letter A.

	300	20	5
10	F. ______	E. ______	D. ______
2	C. ______	B. ______	A. ______

Final product : ______

Cumulative Assessment 15 Till lesson 5 unit 3

1. Complete.

a. The place value of 3 in the number 0.213 is ________

b. ________ × 9 = 900

c. 120 × 30 = ________

d. 9.3 – 5.184 = ________

e. (3 × 200) + (3 × 50) + (3 × 7) = 3 x ________

2. Use the following area models to write the distribution equation.

a.

	100	20	7
5	500	100	35

____

____

b.

	30	6
20	600	120
2	60	12

____

____

3. Choose the correct answer.

a. The value of the digit 4 in the number 98.764 is ________

A. $\frac{4}{10}$ B. $\frac{4}{1,000}$ C. 0.04 D. 4,000

b. The standard form of the number six thousands and six thousandths is ________

A. 6.6 B. 60.06 C. 600.006 D. 6,000.006

c. Hany runs 110 minutes every day. What is the number of running minutes in 15 days ?

A. 1,065 B. 1,605 C. 1,560 D. 1,650

d. What is the unknown value in the area model of 21 × 53 ?

A. 60 B. 600

C. 6 D. 6,000

	50	3
20	1,000	?
1	50	3

e. 7 Hundredths – 7 Thousandths = ________ Thousandths.

A. 7 B. 0 C. 63 D. 77

4. A factory produces 4,550 toys every month. Another factory produces 7,350 toys every month. Find the difference between their product in ten months.

____

____

____

5. Sameh has 300 pounds to spend on new clothes. He buys 12 pair of socks for 21 pounds each. What is the left money with Sameh now ?

____

____

General Revision On Unit 3

1. Complete.

1. $9 \times 27 = (9 \times$ .... $) + (9 \times 7)$ (Alexandria - West 23)
2. $234 \times 57 = (200 \times 50) + (200 \times 7) + (30 \times 50) + (30 \times$ .... $) + (4 \times 50) + (4 \times 7)$ (Cairo 23)
3. $4.231 \times 3 =$ .... (Giza - Awseem 23)
4. $21 \times 64 =$ .... (Aswan - Kom Ombo 23)
5. $(6 \times 87) + (2 \times 87) =$ .... $\times 87$ (Giza - El Agouza 23)
6. The product of 899×11 is closer to the product of .... $\times$ .... (Souhag 23)
7. If $4 \times m = 16$, then the value of $m =$ .... (Port Said 23)
8. $43 \times 26 = (3 \times 6) + (3 \times 20) + (40 \times 6) + (40 \times$ .... $)$ (Cairo 23)
9. $7 \times 74 = (7 \times 4) + (7 \times$ .... $)$
10. .... $\times 9 = 900,000$ (Souhag 23)
11. $70,000 = 7 \times$ ....
12. $253 \times$ .... $= (70 \times 200) + (70 \times 50) + (70 \times 3) + (4 \times 200) + (4 \times 50) + (4 \times 3)$
13. $120 \times 40 =$ ....
14. $2,134 \times 5 =$ ....
15. The ones digit of the product of $3,594 \times 93$ will be ....
16. The product of 799×12 is closer to the product of .... $\times$ ....
17. $(3 \times 5) + (40 \times 5) + (3 \times 90) + (40 \times 90) =$ .... $\times 95$
18.

	40	7
10	....	....
3	....	....

19. $1,000 \times$ .... $= 150,000$

2. Choose the correct answer.

1. $(4 \times 85) + (2 \times 85) =$ .... $\times 85$ (Giza - Awseem 23)
   A. 24 B. 42 C. 8 D. 6
2. If $5 \times V = 45$, then $V =$ .... (Aswan 23)
   A. 5 B. 9 C. 30 D. 1

3. 53 × ______ = [53 × 4] + [53 × 6] [El Kalyoubia 23]

A. 4 B. 6 C. 8 D. 10

4. [6 × 85] + [2 × 85] = ______ × 85 [Cairo 23]

A. 24 B. 42 C. 8 D. 6

5. 16 × 15 ◯ 20 × 13

A. > B. = C. <

6. 243 × 14 ◯ 324 × 14

A. < B. = C. >

7. 220 × 15 = ______

A. 33 B. 33 tens C. 33 hundreds D. 33 thousands

8. What is the ones digit in the product of 34 × 123 ?

A. 2 B. 3 C. 6 D. 8

9. The product of 237 × 25 is closer to ______

A. 5,000 B. 6,000 C. 7,000 D. 8,000

10. The missing number in the product is ______

```
     5 1 4
  ×    1 3
  --------
   _______
 + 5, 1 4 0
  --------
   6, 6 8 2
```

A. 2,451 B. 1,524

C. 1,452 D. 1,542

11. [40 × 32] + [2 × 32] = ______ × 32

A. 24 B. 42 C. 8 D. 6

12. What is the unknown value in the area model of 35 × 475 ?

	400	70	5
30	?	2,100	150
5	2,000	350	25

A. 430 B. 1,200

C. 12,000 D. 120

13. A merchant bought 125 boxes of juice for 15 pounds each. How much money did he pay ?

A. 1,785 B. 1,875 C. 1,800 D. 1,870

14. 25 × 32 = ______ Hundreds.

A. 8 B. 80 C. 800 D. 8,000

15. 5 hundreds × 3 hundreds = ______ hundreds.

A. 15 B. 53 C. 1,500 D. 8

16. A pair of shoes costs 500 L.E. , which is 5 times as much as a shirt costs , then the shirt cost = ______ L.E.

A. 500 B. 400 C. 300 D. 100

17. ________ × 1,000 = 270,000

A. 72 B. 27 C. 270 D. 720

18. 110 × 40 = ________

A. 44 B. 440 C. 4,400 D. 44,000

19. 27 × 134 = ________

A. 3,618 B. 3,681 C. 3,816 D. 3,861

20. Mona bought 31 boxes of juice for 25 L.E. each. She paid = ________ L.E.

A. 757 B. 775 C. 577 D. 7,750

3. Answer each of the following.

1. Find the missing number. [Giza - Awseem 23]

a. n × 123 = 0 n = ________

b. 5 × m = 35 m = ________

2. Find.

a. 865 × 43 b. 35 × 24

3. Marwa saved 125 pounds , Ahmed saved 11 times as Marwa , Mariam saved 9 times as Marwa. How much money they saved ?

4. Ashraf runs 14 hours every week.

What is the number of running hours in 25 weeks ?

5. Use the distributive property of multiplication and area model to find the product of 47 × 35.

6. Yousef bought 100 pens of the same type. The price of each pen is 17 pounds. How much money Yousef paid ?

Cumulative Assessments on UNIT 4

Cumulative Assessment 16 Till lessons (1 & 2) unit 4

1. Choose the correct answer.

a. In the opposite area model ,
which choice best represents the problem ?

	100	10	10	10	5
21	2,835 −2,100 735	735 −210 525	525 −210 315	315 −210 105	105 −105 0

A. 2,835 ÷ 21 = 100,305

B. 2,835 ÷ 21 = 180

C. 2,835 ÷ 21 = 135

D. 2,835 ÷ 12 = 135

b. 5,555 ÷ 55 = ...

A. 11 B. 101 C. 1,001 D. 110

c. In the equation 666 ÷ 19 = 35 R1 , the remainder is ....

A. 666 B. 19 C. 35 D. 1

d. 7.641 ÷ 100 = ...

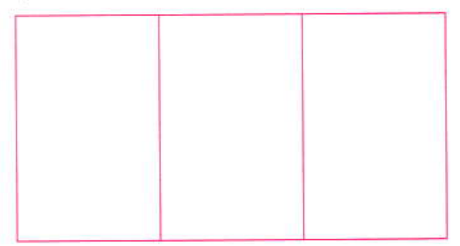
A. 7.641 B. 76.41 C. 764.1 D. 0.7641

e. 9,000 + 50 + 300 + 0.6 + 0.01 = ...

A. 9,350.16 B. 9,350.61 C. 935.61 D. 935.16

2. Use the area model strategy to solve the following division equations.

a. 1,035 ÷ 9



b. 3,813 ÷ 31



3. Find the result of each of the following.

a. 15.36 − 7.854 = ...

b. 309 × 21 = ...

c. 41.14 + 4.114 = ...

d. 60 ÷ 9 = ...

4. If 16 plums are packed 4 in a bag , then how many bags will there be ?

....

Cumulative Assessment 17 Till lessons (3 & 4) unit 4

1. Write the division equation that matches the multiplication problem.

a. $24 \times 143 = 3,432$

b.
$$\begin{array}{r} 118 \\ \times \quad 25 \\ \hline 2,950 \end{array}$$

c.
$$\begin{array}{r} 104 \\ \times \quad 16 \\ \hline 1,664 \end{array}$$

2. Divide using the standard algorithm for division.

a. $25 \overline{)\,535}$

b. $46 \overline{)\,8,004}$

c. $14 \overline{)\,1,414}$

3. Choose the correct answer.

a. The division equation that matches $113 \times 24 = 2,712$ is ______

A. $113 \div 24 = 2,712$ B. $113 \div 2,712 = 24$ C. $24 \div 2,712 = 113$ D. $2,712 \div 24 = 113$

b. $1,001 \times 25 =$ ______

A. 2,525 B. 25,025 C. 250,025 D. 5,225

c. ______ $+ 534 + 0.17 = 17,534.17$

A. 17 B. 170 C. 1,700 D. 17,000

d. $3.6 + 5.411 =$ ______

A. 5.447 B. 8.1011 C. 8.417 D. 9.011

e. 5 hundred and 5 hundredths = ______

A. 500.05 B. 50.05 C. 500.500 D. 5.5

4. Find the result of.

a. $2,401 \times 36 =$ ______

b. $3,921 \div 35 =$ ______

c. $17.51 + 36.098 =$ ______

d. $214.6 - 34.14 =$ ______

5. Solve each of the following equations.

a. $k + 2.14 = 4.12$

______

______

b. $m - 7.02 = 3.2$

______

______

Cumulative Assessment 18 — Till lesson 5 unit 4

1. Find the result of each of the following.

a. $213.5 + 17.64$

b. $23.9 - 17.856$

c. $3,201 \times 23$

d. $25 \overline{)\,3,075}$

2. Complete.

a. In the division equation $29 \div 3 = 9$ R 2 , the remainder is ________

b. $754.6 \div 100 =$ ________

c. The value of the digit 0 in the number 51.203 is ________

d. If $125 \times 5 = 625$, then $626 \div 5 = 125$ R ________

e. The L.C.M of the two numbers 3 and 5 is ________

f. ________ is the common factor for all numbers.

3. Choose the correct answer.

a. $91,000 = 91 \times$ ________

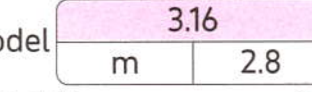
A. 10 B. 100 C. 1,000 D. 10,000

b. 7 km = ________ m.

A. 7,000 B. 700 C. 70 D. 7

c. If $35 \times 121 = 4,235$ then $4,236 \div 35 =$ ________

A. 121 B. 121 R1 C. 121 R2 D. 121 R3

d. By using the bar model 

the value of m is ________

A. 2.8 B. 1.64 C. 1.8 D. 0.36

4. Compare. Write (< , > or =).

a. $3.4 + 0.21$ ◯ $0.34 + 2.1$

b. 312×11  346×11

c. $36 \div 9$ ◯ $36 \div 5$

d. $4 + 0.4 + 0.01 + 0.003$  4.413

5. In one year , a factory used 13,250 meters of cotton , 6,850 fewer meters of silk than cotton , and 1,500 fewer meters of wool than silk.

How many meters of fabric were used in all ?

General Revision On Unit 4

1. Complete.

1. If 325 ÷ 25 = 13 , then 25 is called ________ [Cairo 23]
2. 1,227 ÷ 12 = ________ R ________ [Cairo - Al Khalifa and Al Mokattam 23]
3. If 300 ÷ 25 = 12 , then the dividend is ________
4. 0 ÷ 32 = ________
5. 351 ÷ 13 = ________
6. 7,426 ÷ 1 = ________
7. 150 ÷ 30 = ________
8. Quotient × divisor + remainder = ________
9. 64 ÷ 6 = 10 R ________
10. The quotient in the opposite area model is ________

25	1,825 − 1,750 75	75 − 75 00

11. If the price of 17 books is 595 pounds , then the price of each book equals ________ pounds.
12. 1,313 ÷ 13 = ________
13. If 13 × 257 = 3,341 , then 3,344 ÷ 13 = 257 R ________
14. 2,761 ÷ 2,761 = ________
15. If 650 ÷ 25 = 26 , then 26 × 25 + 5 = ________

2. Choose the correct answer.

1. The divisor in the equation 36 ÷ 9 = 4 is ________ [Alex. - West 23]
   A. 36 B. 4 C. 9 D. 0
2. 29 ÷ 4 = 7 R ________ [Cairo - El Marg 23]
   A. 0 B. 1 C. 2 D. 3
3. 1,515 ÷ 15 = ________ [Ismailia 23]
   A. 11 B. 101 C. 1,001 D. 15
4. 4,150 ÷ 29 = 143 R ________ [Giza - Awseem 23]
   A. 4 B. 2 C. 1 D. 3
5. 328 ÷ 18 = 18 R ________ [Cairo 23]
   A. 2 B. 5 C. 6 D. 4
6. 643 ÷ ________ = 643
   A. 0 B. 1 C. 10 D. 100

7. 3,003 ÷ 33 = ______

A. 19 B. 91 C. 109 D. 901

8. In the opposite area model, which choice best represents the problem?

A. 3,159 ÷ 13 = 2403
B. 3,159 ÷ 13 = 243
C. 3,159 ÷ 13 = 234
D. 3,159 ÷ 13 = 342

	200	40	3
13	3,159 −2,600 559	559 −520 39	39 −39 00

9. If 4,092 ÷ 12 = 341, then 341 × 12 = ______

A. 4,091 B. 4,092 C. 4,093 D. 4,094

10. 6,293 ÷ 31 = ______

A. 203 R 1 B. 302 C. 203 D. 302 R 1

11. If 3,321 ÷ 27 = 123, then 3,323 ÷ 27 = ______

A. 123 B. 123 R 1 C. 123 R 2 D. 123 R 3

12. If 51 × 23 = 1,173, then 1,180 ÷ 23 = 51 R ______

A. 4 B. 5 C. 6 D. 7

13. If 3,768 ÷ 24 = 157, then 24 × 157 = ______

A. 3,768 B. 3,769 C. 3,770 D. 3,767

14. In the opposite area model of division, the value of × is ______

A. 1 B. 10
C. 100 D. 1,000

	200	x	7
34	7,378 −6,800 578	578 −340 238	238 −238 000

15. What is the value of M in the opposite division problem?

A. 324 B. 342 C. 234 D. 432

$$17 \overline{)\,3{,}978} = M$$

3. Answer each of the following.

1. Find the quotient of division 11 ÷ 7. [Cairo 23]
2. If 18 plums are packed each 3 in a bag, then how many bags will be there? [Port Said 23]
3. Distribute 3,600 L.E. between 9 persons equally. How much every one take? [Giza - El Agouza 23]
4. A teacher wants to distribute 510 prizes to 5 classes equally. How many prizes per each class?
5. If 165 passengers travels to cairo by private cars, if the number of passengers in each car is 11 passengers, what is the number of cars to transport all the passengers? [Kalyoubia 23]
6. A charity wants to distribute 3,125 pounds into 25 persons equally. What's the share of each person? [Giza - Abo El Nomrous 23]
7. There are 1,500 animals in one barn. There are 574 goats, 346 cows and the rest are horses. If 80 horses were sold, how many horses are left in that barn?

Cumulative Assessments on UNIT 5

Cumulative Assessment 19 Till lessons (1 to 3) unit 5

1. Complete.

a. $0.576 \times 100 =$ ________

b. $1.2 \times 0.2 =$ ________

c. $0.25 \times 4 =$ ________

d. $0.01 \times 0.1 =$ ________

e. $700 + 5{,}000 + 60 + 9 + 0.04 + 0.1 =$ ________

f. $214.081 \approx$ ________ [to the nearest Hundreds]

2. Choose the correct answer.

a. $3.94 \times 10 =$ ________

A. 3.94 B. 0.394 C. 39.4 D. 394

b. $9.58 \times$ ________ $= 958$

A. 1 B. 10 C. 100 D. 1,000

c. $9.734 \times 10 \approx$ ________ [to the nearest Tenths]

A. 97.34 B. 97.4 C. 10 D. 97.3

d. 3,264 thousandths = ________

A. 3.264 B. 32.64 C. 326.4 D. 0.3264

e. $4{,}444 \div 44 =$ ________

A. 11 B. 101 C. 110 D. 1,001

3. Put the suitable relation (<, > or =).

a. 4.4×0.1 ◯ 0.044×10

b. 5×0.001 ◯ 0.5×0.01

c. 15 Hundred ◯ 15 Hundredths

d. 25 km ◯ 2,500 m

e. $690 \div 15$ ◯ $960 \div 15$

4. Find the unknown letters in each of the following.

a. $496 = 4 \times [a] + 9 \times [b] + 6$ a = ________ , b = ________

b. $305.09 = 3 \times [m] + 5 + 9 \times [n]$ m = ________ , n = ________

c. $24.306 = 2 \times [k] + 4 + 3 \times [l] + 6 \times [r]$ k = ________ , l = ________ , r = ________

d. $7.043 \times 1{,}000 = [s]$ s = ________

Cumulative Assessment 20 Till lesson 4 unit 5

1. Complete.

a. If $19 \times 4 = 76$, then $1.9 \times 0.4 =$ ________

b. If $152 \times 7 = 1,064$, then $1.52 \times 0.7 =$ ________

c. $0.479 \times 100 =$ ________

d. $23.46 \approx$ ________ [to the nearest Tenths]

e. 16 Thousands and 16 Thousandths = ________

f. $18.3 - 7.461 =$ ________

2. Choose the correct answer.

a. By using the fact $143 \times 6 = 858$, $1.43 \times 0.6 =$ ________

A. 8,580 B. 85.8 C. 8.58 D. 0.858

b. $5.31 \div 10 =$ ________

A. 500 + 30 + 1 B. 531 Thousandths

C. 531 Hundredths D. 531 Tenths

c. ________ isn't a prime number.

A. 1 B. 2 C. 3 D. 5

3. Look at the area models, use the information provided to find the missing numbers. Then, find the product.

a.

	2	0.5
?	14	?
0.4	?	0.2

product : ________

b.

	2	?	0.08
?	6	1.5	?
0.5	1	?	0.040

product : ________

4. Find the result of each of the following.

a. $321.9 + 15.84 =$ ________

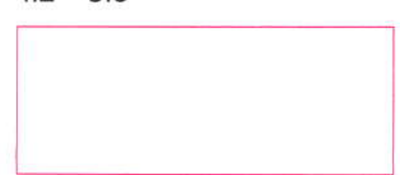
b. $25.41 - 17.941 =$ ________

c. $125 \times 34 =$ ________

d. $3,830 \div 25 =$ ________

5. Use an area model to find.

a. 4.2×5.6



b. 1.2×3.25

Cumulative Assessment 21 Till lessons (5 & 6) unit 5

1. **By using the standard algorithm , find the product.**

a. $\begin{array}{r} 1.74 \\ \times\ 3.5 \\ \hline \end{array}$

b. $\begin{array}{r} 53.28 \\ \times\ 7.9 \\ \hline \end{array}$

c. $\begin{array}{r} 2.03 \\ \times\ 0.7 \\ \hline \end{array}$

2. **Compare the products by putting (< , > or =).**

a. 0.75×0.2 ◯ 7.5×0.2

b. 4.2×153.2 ◯ 4.2×15.32

c. 13.9×0.4 ◯ 1.39×4

d. 0.234×5 ◯ 23.4×0.5

e. 1.01×0.1 ◯ 10.1×0.1

3. **Complete.**

a. $30 + 3{,}000 + 0.3 =$ ....

b. 21 Hundredths + 5.4 = ...

c. $75.214 \times 100 =$ ....

d. If $25 \times 5 = 125$, then $126 \div 5 = 25$ R ....

e. 6 Hundredths – 6 Thousandths = ... Thousandths.

4. **Choose the correct answer.**

a. $3.21 \times 0.9 \approx$ .... [to the nearest Tenths]

A. 2.889 B. 2.8 C. 2.9 D. 2.89

b. The decimal point in the product of 0.01×0.1 is after .... decimal places.

A. 1 B. 2 C. 3 D. 4

c. $0.2 \times 1.12 =$ ....

A. 224 B. 22.4 C. 2.24 D. 0.224

d. If $35 \times 47 = 1{,}645$, then $3.5 \times 0.47 =$ ....

A. 164.5 B. 16.45 C. 1.645 D. 1,645

e. 5 Thousandths × 4 = ...

A. 0.02 B. 0.2 C. 2 D. 20

5. **By using the opposite area model find :**

m + n = ...

	2	0.7
m	6	2.1
0.4	0.8	n

General Revision On Unit 5

1. Complete.

1. $123 \times 0.01 =$ .... [El Beheira 23]
2. The product of $122.5 \times 2.2 =$ .... [Cairo - El Sherouk 23]
3. $0.2 \times 0.3 =$ .... [Alex. - West 23]
4. .... $\times 0.01 = 5.324$ [Giza - Awseem 23]
5. $4.2 \times 5.6 =$ .... [Giza - Awseem 23]
6. $25 \times 0.1 =$ .... [Aswan - Kom Ombo 23]
7. $5.4 \times 0.12 =$ .... [Cairo - Heliopolis 23]
8. 250 mL = ... L [Cairo - El Marg 23]
9. 700 g = ... kg [Cairo - El Nouzha 23]
10. 39 days ≈ .... weeks (to the nearest week) [Ismailia 23]
11. $513.2 \div 0.01 =$ .... [Ismailia 23]
12. $12.7 \div 0.01 =$ .... [Ismailia 23]
13. 36 cm = ... m [El Beheira 23]
14. $89.36 \div 100 = 89.36 \times$ .... [Giza - Awseem 23]
15. 710 grams = ... kg [El Menia 23]
16. The quotient of $6.66 \div 6 =$ .... [El Beheira 23]
17. $8.8 \div 3.2 =$ .... $\div$ .... $=$ .... [Ismailia 23]
18. $2.1 \div 0.7 =$ .... [Cairo - El Nouzha 23]
19. The quotient of $84.24 \div 2 =$ .... [Cairo - El Marg 23]
20. 2,000 g = ... kg [El Beheira 23]

---

2. Choose the correct answer.

1. $100 \times 5.2 =$ .... [Cairo - Heliopolis 23]

   A. 5.20 **B.** 520 **C.** 0.52 **D.** 52

2. $76.5 \times \frac{1}{10} =$ .... [El Menia 23]

   A. 765 **B.** 7.65 **C.** 0.765 **D.** 76.05

3. 3 Hundredths × 3 = ... [Ismailia 23]

   A. 9 Hundreds **B.** 9 Hundredths **C.** 0.90 **D.** 9

4. $0.3 \times 5 =$ ______ [Aswan 23]

A. 0.35 **B.** 1.5 **C.** 15 **D.** 150

5. $7.14 \times 0.1 =$ ______ [Aswan 23]

A. 0.714 **B.** 71.4 **C.** 7.140 **D.** 714

6. $8.43 \times 0.2 \approx$ ______ [to the nearest Hundredths] [Giza 23]

A. 1.686 **B.** 1.7 **C.** 1.69 **D.** 2

7. 300 g = ______ kg [Giza - Awseem 23]

A. 0.3 **B.** 3 **C.** 0.03 **D.** 0.003

8. $3.6 \div 0.04 =$ ______ [Cairo - Heliopolis 23]

A. 0.9 **B.** 90 **C.** 0.09 **D.** 0.009

9. ______ $\times 0.01 = 4.12$ [Souhag 23]

A. 412 **B.** 4,120 **C.** 41,200 **D.** 0.412

10. $0.6 \times 0.5 =$ ______ [Souhag 23]

A. 30 **B.** 3 **C.** 0.3 **D.** 0.65

11. $4.1 \times 1.1 =$ ______ [El-Beheira - 23]

A. 45.1 **B.** 451 **C.** 0.451 **D.** 4.51

12. $3.25 \times 0.1 =$ ______ [Cairo 23]

A. 325 **B.** 32.5 **C.** 3.25 **D.** 0.325

13. 95 millimeters = ______ cm [Port Said 23]

A. 9.5 **B.** 0.95 **C.** 0.0095 **D.** 0.095

14. 10.870 gram = ______ kg [Cairo - Heliopolis 23]

A. 10.87 **B.** 108.7 **C.** 1.87 **D.** 1087

15. 4.25 ◯ $2.2 \div 0.1$ [Cairo 23]

A. $=$ **B.** $<$ **C.** $>$

16. $23 \div 0.1 =$ ______ [Alexandria 23]

A. 23 **B.** 230 **C.** 2.3 **D.** 0.23

17. $0.35 \div 0.5 =$ ______ [Alexandria - West 23]

A. 7 **B.** 0.007 **C.** 0.07 **D.** 0.7

18. The quotient of $2.4 \div 0.4 =$ ______ [Cairo 23]

A. 11 **B.** 6 **C.** 0.6 **D.** 1.6

19. $0.4 \times 0.6 =$ ______ [El Beheira 23]

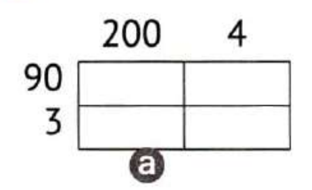
A. 24 **B.** 2.4 **C.** 0.24 **D.** 0.024

Assessment 1 on Lesson 1

Unit 3

First: **Choose the correct answer:**

1 The area model that represents 93 X 204 is ....



ⓐ

	200	4
90		
3		

ⓑ

	20	4
9		
3		

ⓒ

	20	4
90		
3		

ⓓ

	200	4
9		
3		

2 The multiplication problem that expresses the following model is ....

	400	8
70		
5		

ⓐ 75 X 48 ⓑ 705 X 408

ⓒ 75 X 408 ⓓ 705 X 48

3 The multiplication problem that expresses the following model is ....

20	4
600	120
40	8

ⓐ 24 X 48 ⓑ 24 X 720

ⓒ 24 X 32 ⓓ 640 X 128

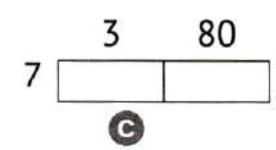
4 The model that expresses the following multiplication problem 7 X 308 is ....

ⓐ

	300	8
7		

ⓑ

	30	80
7		



ⓒ

	3	80
7		

ⓓ

	30	8
7		

Second: **Complete the following:**

1

	20	3
40	....	....

.........X.........= ....

2

	....	....	....
6	1,200	240	42

.........X.........= ....

3

	40	5
....	1,200	....
....	....	15

.........X.........= ....

4

	....	5
....	....	350
5	200	....

.........X.........= ....

Third: **Answer the following:**

Aya ran a 5-kilometer race on Saturday. If there are 1,000 meters in 1 kilometer, how many meters did she run?

....

Assessment 2 on Lesson 2

Unit 3

First: Choose the correct answer:

1. 7 X (500 + 4) = ...
   a) 7 X 54 b) 7 X 504 c) 7 X 5,004 d) 7 X 9
2. (60 X 20) + (60 X 3) + (7 X 20) + (7 X 3) = ...
   a) 67 X 23 b) 62 X 73 c) 63 X 27 d) 76 X 32
3. The area model that represents (2 X 500) + (2 X 20) + (2 X 4) is ....

   a) side 2; sections 500, 20, 4
   b) side 2; sections 5, 2, 4
   c) side 2; sections 50, 2, 4
   d) side 2; sections 50, 20, 4
4. The problem that represents the opposite area model is ....

   Area model: side 4; sections 600, 9

   a) 4 X (6 + 9) b) 4 X (60 + 9)
   c) 4 X (600 + 9) d) 4 X (60 + 90)
5. 15 X 56 = 15 X (.......... + ...)
   a) 50 + 6 b) 5 + 6 c) 50 + 60 d) 5 + 60

Second: Complete the following:

1. 7,480 X 7 = 7 X (.......... + ... + ...) = ...
2. 23 X 46 = (20 X ....) + (20 X ....) + (3 X ....) + (3 X ....)
3. .... X .... = (20 X 500) + (20 X 6) + (4 X 500) + (4 X 6)
4. 3 X .... = 3 X (6,000 + 200 + 30)
5. 2 X 505 = (2 X ....) + (2 X ....)

Third: Multiply using the Distributive Property:

1. 2 X 89 = ...
2. 45 X 89 = ...
3. 627 X 43 = ...

Assessment on Concept 1



Unit 3

First: **Choose the correct answer:**

1 5 X 1,000 = ...

ⓐ 50 ⓑ 500 ⓒ 5,000 ⓓ 50,000

2 25 X 80 = ...

ⓐ 2 X 10,000 ⓑ 2 X 1,000 ⓒ 2 X 100 ⓓ 2 x 10

3 The area model that represents (9X 200) + (9 X 40) + (9 X 5) is ....

ⓐ

	200	40	5
9			

ⓑ

	2	4	5
9			

ⓒ

	20	4	5
9			

ⓓ

	20	40	5
9			

4 The multiplication problem that the opposite model represents is ....

	60	9
40		
2		

ⓐ 46 X 29 ⓑ 49 X 62

ⓒ 42 X 69 ⓓ 26 X 94

5 The multiplication problem that the opposite model represents is ....

3,000	20
600	4

ⓐ 12 X 32 ⓑ 12 X 302

ⓒ 102 X 302 ⓓ 102 X 32

Second: **Complete the following:**

1 8 X .... = 80,000

2 1,000 X .... = 7,000

3 .... X .... = (10 X 50) + (10 X 7) + (2 X 50) + (2 X 7)

4 9 X .... = 9 × (600 + 20 + 3)

5 7 X 903 = (7 X ....) + (7 X ....)

Third: **Solve the following problems using the mentioned strategy:**

1 2 X 47 (Distributive Property)

....

....

2 14 X 23 (Area Model)

....

....

Fourth: **Answer the following:**

Omar owns **12** buses to transport tourists, each bus can carry **25** passengers. How many passengers can Omar carry each day if each bus is full?

....

Assessment on Concept 2



Unit 3

First: Choose the correct answer:

1 The problem that represents the opposite area model is ....

	5,000	400	3
60			
7			

ⓐ 5,403 X 67 ⓑ 5,043 X 67
ⓒ 5,430 X 67 ⓓ 543 X 67

2 The problem that represents the opposite area model is ....

120,000	2,000	80
9,000	150	6

ⓐ 3,502 X 43 ⓑ 3,052 X 43
ⓒ 3,520 X 43 ⓓ 352 X 43

3 The model that represents 6,350 X 73 is ....

ⓐ

	6,000	300	50
70			
3			

ⓑ

	6,000	300	5
70			
3			

ⓒ

	6,000	30	5
70			
3			

ⓓ

	600	30	5
70			
3			

4 3,006 X 25 = ...

ⓐ 21,042 ⓑ 90,000 ⓒ 7,650 ⓓ 75,150

5 2,300 X 30 = ...

ⓐ 69,000 ⓑ 6,900 ⓒ 60,900 ⓓ 96,000

Second: Solve the following problems using the mentioned strategy:

1 5,080 X 23 (Distributive Property)

....
....
....
....

2 9,007 X 64 (Standard Algorithm)

....
....
....
....

3 2,125 X 74 (Area Model)

....
....
....
....

Third: Answer the following:

- Huda bought 18 kg of bananas, the price of a kilogram was 15 pounds, and she bought 18 kilograms of mangoes, the price of a kilogram was 25 pounds. What is the total amount that Huda paid?

....

Assessment on Unit 3



First: Choose the correct answer:

1. 3 X 1,000 ____ 50 X 60
   - ⓐ $>$ ⓑ $=$ ⓒ $<$ ⓓ $\leqslant$

2. 5,062 X 7 ____ 5,602 X 7
   - ⓐ $>$ ⓑ $=$ ⓒ $<$ ⓓ $\leqslant$

3. The model that represents 2,075 X 26 is ....

ⓐ

	2,000	70	5
20			
6			

ⓑ

	2,000	700	5
20			
6			

ⓒ

	2,000	700	50
20			
6			

ⓓ

	2,000	70	5
2			
60			

4. The model that represents 3,502 X 31 is ....

ⓐ

9,000	1,500	6
3,000	500	2

ⓑ

30,000	5,000	20
9,000	1,500	6

ⓒ

90,000	15,000	60
3,000	500	2

ⓓ

9,000	1,500	60
300	50	2

5. (2 X 50) + (2 X 7) + (60 X 50) + (60 X 7) = ...
   - ⓐ 26 X 57 ⓑ 62 X 57 ⓒ 62 X 75 ⓓ 26 X 75

6. 45 X 123 = ...
   - ⓐ (5 X 100) + (5 X 20) + (5 X 3) + (40 X 100) + (40 X 20) + (40 X 3)
   - ⓑ (5 X 100) + (5 X 20) + (5 X 3) + (4 X 100) + (4 X 20) + (4 X 3)
   - ⓒ (50 X 100) + (50 X 20) + (50 X 3) + (40 X 100) + (40 X 20) + (40 X 3)
   - ⓓ (50 X 100) + (50 X 20) + (50 X 3) + (4 X 100) + (4 X 20) + (4 X 3)

7. The model that represents (90 X 30) + (90 X 4) + (3 X 30) + (3 X 4) is ....

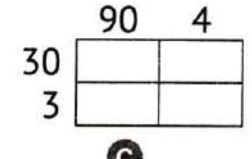
ⓐ

	4	3
30		
90		

ⓑ

	90	3
30		
4		

ⓒ



ⓓ

	90	30
4		
3		

8. The problem that represents the opposite area model is ....
   - ⓐ 4,275 X 46 ⓑ 495 X 46
   - ⓒ 4,095 X 46 ⓓ 4,905 X 46

	4,000	90	5
40			
6			

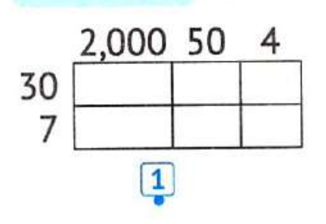
9. .... X 7 = 7,000
   - ⓐ 10 ⓑ 100 ⓒ 1,000 ⓓ 10,000

10. 12 X .... = 12 X (200 + 30 + 30)
    - ⓐ 12 X 260 ⓑ 12 X 2,330 ⓒ 12 X 800 ⓓ 12 X 2,033

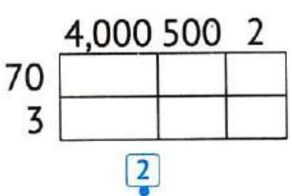
Second: Complete the following:

1. 9 X 100,000 = ...
2. 5 X .... = 50,000
3. 10,000 X .... = 70,000
4. 42 X .... = 60 X 70
5. 7 X 123 = (7 X 100) + (7 X ....) + (7 X ....)
6. 8 X .... = (8 X 3,000) + (8 X 500) + (8 X 4)
7. (5 X 30) + (5 X 8) + (60 X 30) + (60 X 8) = ... X ....
8. 45 X 22 = ...
9. 5,020 X 12 ....
10. 232 X 13 = ...

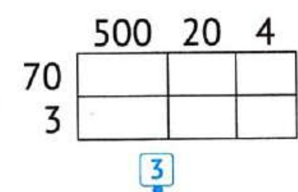
Third: Match each model to the problem representing it:



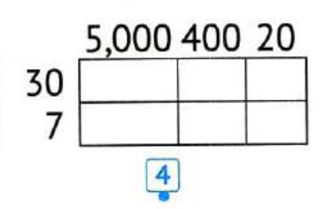
1



2



3



4

a) 4,502 X 73

b) 5,420 X 37

c) 2,054 X 37

d) 524 X 73

Fourth: Solve each problem using the mentioned strategy:

1. 7,086 X 54 (Distributive Property)

   ....

   ....

2. 6,021 X 24 (Partial Products)

   ....

   ....

3. 6,008 X 67 (Area Model)

   ....

   ....

Fifth: Answer the following:

Mona is making tahini to use in dishes at her restaurant. Her recipe uses **140** grams of sesame seeds to make **120** milliliters of tahini. She makes the recipe **20** times each week. How many grams of sesame seeds does she use each week?

....

How many milliliters of tahini does she make in each week?

....

How many liters of tahini does she make in **35** weeks?

....

Assessment 1 on Lessons 1&2

Unit 4

First: Choose the correct answer:

1 The division problem that expresses the opposite model is ....

	200	20	20	5
8	1,960	360	200	40
	− 1,600	− 160	− 160	− 40
	360	200	40	0

ⓐ 1,960 ÷ 8 = 2,225 ⓑ 360 ÷ 8 = 245

ⓒ 1,960 ÷ 8 = 245 ⓓ 1,960 ÷ 8 = 605

2 The divisor in the corresponding model is ....

	10	6
14	226	86
	− 140	− 84
	86	2

ⓐ 14 ⓑ 16

ⓒ 226 ⓓ 2

3 The remainder of the division in the opposite model is ....

	300	20	6
12	3,912	312	72
	− 3,600	− 240	− 72
	312	72	0

ⓐ 12 ⓑ 326

ⓒ 72 ⓓ 0

4 The quotient in the opposite model is ....

	4,000	30	5
63	254,205	2,205	315
	− 252,000	− 1,890	− 315
	220,5	315	0

ⓐ 435 ⓑ 4,305

ⓒ 4,350 ⓓ 4,035

5 If 45 x 12 = 540, then the remainder of 545 ÷ 12 is ....

ⓐ 5 ⓑ 12 ⓒ 45 ⓓ 540

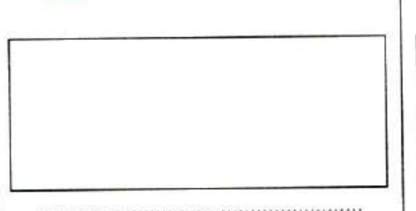
Second: Use the area model to solve the following problems:

1 6,542 ÷ 8

....

....

2 3,634 ÷ 12



....

....

3 144,370 ÷ 45

....

....

Third: Answer the following:

1 A red hat costs **400** LE, which is **4** times as much as a blue hat. How much does a blue hat cost? ....

2 There are **138** job applicants for a vacancy. They will need to place the applicants in **6** rooms while they fill out the application. How many people will be in each room? ....

Assessment on Concept 1



Unit 4

First: **Choose the correct answer :**

1 The quotient in the opposite model is ....

	100	20	20	6
24	3,504 – 2,400 1,104	1,104 – 480 624	624 – 480 144	144 – 144 0

ⓐ 1,226 ⓑ 24 ⓒ 3,504 ⓓ 146

2 The remainder of division in the opposite model is ....

	400	10
15	6,154 – 6,000 154	154 – 150 4

ⓐ 15 ⓑ 6,154 ⓒ 410 ⓓ 4

3 If 45 X 24 = 1,080, then 10,800 ÷ 24 = ...

ⓐ 45 ⓑ 24 ⓒ 450 ⓓ 240

4 If 26 X 155 + 20 = 4,050, then the remainder of 4,050 ÷ 26 is ....

ⓐ 20 ⓑ 26 ⓒ 155 ⓓ 4,050

Second: **Divide using the strategy you prefer:**

1 45,240 ÷ 9 = ...

2 23,154 ÷ 6 = ...

3 3,096 ÷ 12 = ...

4 78,321 ÷ 26 = ...

Third: **Complete the following:**

1 45,000 ÷ 5 = ...

2 40,000 ÷ .... = 8,000

3 .... ÷ 34 = 10,000

4 .... ÷ 12 = 3,000

Fourth: **Answer the following:**

1 If the profit of one of the shops is **7,280** pounds, and they will be distributed equally among **5** persons, what is the share of each person?

....

2 If **168** pupils are divided equally into groups of **12** pupils each, how many groups can we get?

....

Assessment on Concept 2



Unit 4

First: **Choose the correct answer:**

1 The quotient in the following division model is ....

ⓐ 5,248
ⓑ 12
ⓒ 4
ⓓ 437

$$\begin{array}{r|l} & 0437 \\ 12 & 5,248 \\ & -\ 48 \\ \hline & 44 \\ & -\ 36 \\ \hline & 88 \\ & -\ 84 \\ \hline & \mathbf{4} \end{array}$$

2 The divisor in the following division model is ....

ⓐ 4,528
ⓑ 25
ⓒ 3
ⓓ 181

$$\begin{array}{r|l} & 0181 \\ 25 & 4,528 \\ & -\ 25 \\ \hline & 202 \\ & -\ 200 \\ \hline & 28 \\ & -\ 25 \\ \hline & \mathbf{3} \end{array}$$

3 The remainder in the following division model is ....

ⓐ 954
ⓑ 32
ⓒ 26
ⓓ 29

$$\begin{array}{r|l} & 029 \\ 32 & 954 \\ & -\ 64 \\ \hline & 314 \\ & -\ 288 \\ \hline & \mathbf{26} \end{array}$$

4 From the following division model, 802 = ...

ⓐ 22 X 36 + 10
ⓑ 22 + 36 X 10
ⓒ 22 X 36 X 10
ⓓ 22 + 36 + 10

$$\begin{array}{r|l} & 036 \\ 22 & 802 \\ & -\ 66 \\ \hline & 142 \\ & -\ 132 \\ \hline & \mathbf{10} \end{array}$$

5 24,000 ÷ 600 = ...

ⓐ 4 ⓑ 40 ⓒ 400 ⓓ 4,000

Second: **Complete the following:**

1 If 4 X 60 = 240, then 400 X 600 = ...

2 450,000 ÷ .... = 900

3 If 24 X 15 = 360, then the remainder of 375 ÷ 15 is ....

4 If 248 ÷ 12 = 20 (R 8), then 12 X 20 + ... = 248.

5 60 X 300 ....

Third: **Answer the following:**

- There are **205** people at a concert. After the concert, **40** people left in cars, the rest of them wanted to go home by a microbus. If the load of each microbus is **11** people, how many microbuses are needed for everyone to get home?

....

Assessment on Unit 4



First: **Choose the correct answer:**

1 In 428 ÷ 2 = 214, the dividend is ....

ⓐ 214 ⓑ 2 ⓒ 428 ⓓ 824

2 Which of the following can be used to check the result of the opposite model?

ⓐ 3,113 X 25 ⓑ 323 X 25

ⓒ 3,023 X 25 ⓓ 332 X 25

	300	10	10	3
25	8,075 – 7,500 575	575 – 250 325	325 – 250 75	75 – 75 0

3 Wafaa wanted to distribute **250** candy bars equally among **12** of her colleagues, so ....

ⓐ each person took 20 pieces, and 10 pieces remained

ⓑ each person took 10 pieces, and 20 pieces remained

ⓒ each person took 21 pieces, and 2 pieces remained

ⓓ each person took 21 pieces, and there is nothing left

4 30,000 ÷ 50 = ...

ⓐ 6 ⓑ 60 ⓒ 600 ⓓ 6,000

5 .... ÷ 600 = 40

ⓐ 24,000 ⓑ 2,400

ⓒ 240 ⓓ 24

6 40,000 ÷ .... = 800

ⓐ 5 ⓑ 50

ⓒ 500 ⓓ 5,000

7 The quotient in the following division model is ....

ⓐ 19,044

ⓑ 92

ⓒ 117

ⓓ 207

```
      207
92 | 19,044
   - 184
      644
   -  644
      000
```

8 The divisor in the following division model is ....

ⓐ 6,700

ⓑ 65

ⓒ 103

ⓓ 5

```
      0103
65 | 6,700
   - 6,5
      200
   -  195
        5
```

9 The remainder in the following division model is ....

ⓐ 6,090

ⓑ 42

ⓒ 145

ⓓ 0

	100	40	5
42	6,090 − 4,200 1,890	1,890 − 1,680 210	210 − 210 0

10 The dividend in the following division model is ....

ⓐ 8,935

ⓑ 24

ⓒ 372

ⓓ 7

```
       372
24 | 8,935
   -  72
     1,735
   - 1,68
        55
   -    48
         7
```

Second: Complete the following:

1 80 X 300 = ...

2 40,000 ÷ 500 = ...

3 45,060 ÷ 15 = ...

4 60,144 ÷ 12 = ...

5 72,368 ÷ 9 = 8,040 and the remainder is ....

Third: Complete the following models:

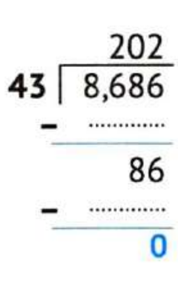
1

```
        ..........
45 | 14,130
   -  ..........
      ..........
   -  45
      ..........
   -  ..........
      ..........
```

2

	....	....	....
25	5,850 − 5,000 850	850 − 750 100	100 − 100 0

3



Fourth: Compare using (<, = or >):

1 45,045 ÷ 5 ◯ 36,036 ÷ 4

2 45,000 ÷ 50 ◯ 36,000 ÷ 400

3 1,375 ÷ 11 ◯ 1,250 ÷ 10

4 36,048 ÷ 12 ◯ 3,648 ÷ 12

5 65,125 ÷ 25 ◯ 65,150 ÷ 25

Fifth: Answer the following:

1 Adel wants to distribute **4,530** pounds among **15** persons equally. What is the share of each person?

....

2 A school has **570** boys and **600** girls, and they are divided into **26** classes equally. How many students are there in each class?

....

Assessment 1 on Lessons 1&2

Unit 5

First: **Find the product of:**

1 8 X 100 = ...

2 3 X 0.1 = ...

3 45 X 0.001 = ...

4 3.5 X 4 = ...

5 5.25 X 100 = ...

Second: **Compare using (<, = or >):**

1 5 X0.3		0.5 X 3
2 24 X 0.2		8 X 0.06
3 1.2 X 100		0.12 X 10
4 635 X 0.1		6.35 X 100
5 825 X 0.01		8.25 X 10

Third: **Match:**

1 2.35 X 10	a 23.5 X 10
2 2.35 X 0.1	b 23.5 X 1
3 2.35 X 100	c 23.5 X 100
4 2.35 X 1,000	d 23.5 X 0.01

Fourth: **Complete the following:**

1 If 5 X 24 = 120, then 5 X 2.4 = ...

2 If 0.8 X 421 = 336.8, then 8 X 4.21 = ...

3 When multiplying a whole number by 0.001, we move the decimal point .... places to the ....

4 0.5 X .... = 0.05

5 .... X 100 = 9.2

Assessment 2 on Lessons 3&4

Unit 5

First: **Write the multiplication problem represented by each of the following Base 10 grids, then find the product:**

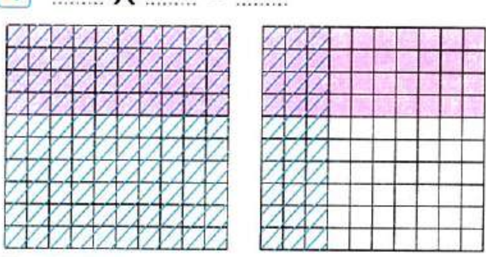
1 .... X .... = ...

2 .... X .... = ...

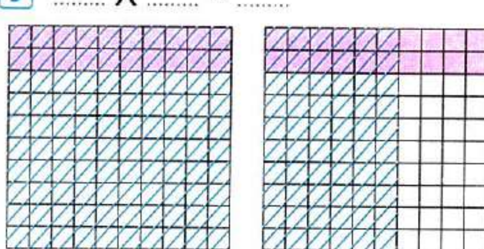
3 .... X .... = ...

4 .... X .... = ...





5 .... X .... = ...



Second: **Write the multiplication problems that express the following area models, and then solve them:**

	2	0.9
0.7		

1 ....

....

	10	0.08
90		
0.2		

2 ....

....

	800	50	2
0.2			
0.04			

3 ....

....

Third: **Complete the following:**

1 If 2 X 45 = 90, then .... X 0.45 = 0.09.

2 If 5 X 3 = 15, then 5 X .... = 1.5.

3 If 625 X 4 = 2,500, then 6.25 X 0.4 = ...

4 If 2.5X 1.6 = 4, then 25 X 16 = ...

Fourth: **Answer the following:**

- Marwa is a museum curator. She wants to repaint the museum walls, which are measured in meters. There are **four** walls, each is measuring **3.8 m × 15.2 m**. Estimate how many square meters she needs to cover with paint. Explain your answer.

....

Assessment 3 on Lessons 5&6

Unit 5

First: Complete the following:

1. If 25 X 33 = 825, then 0.25 X 3.3 = ...
2. If 137 X 21 = 2,877, then 1.37 X .... = 2.877
3. 0.02 X 0.03 = ...
4. 0.3 X .... = 0.009
5. 0.2 X 0.3 X 0.5 = ...

Second: Use the standard algorithm to multiply:

1. 5.6 X 2.3 = ... ≈ .... (To the nearest Tenth)
2. 0.73 X 2.8 = ... ≈ .... (To the nearest Hundredth)
3. 2.08 X 62 = ... ≈ .... (To the nearest whole number)

Third: If 452 X 27 = 12,204, then:

1. 4.52 X 2.7 = ...
2. 0.452 X 27 = ...
3. 45.2 X 27 = ...
4. 4.52 X 2.7 = ...
5. 4.52 X 0.27 = ...
6. 0.452 X 0.27 = ...

Fourth: Compare using (<, = or >):

1. 0.8 X 0.3 ( ) 0.8 X 0.03
2. 54 X 1.1 ( ) 0.54 X 11
3. 0.45 X 10 ( ) 45 X 0.1
4. 2.5 X 2.5 ( ) 625 X 0.1



Assessment on Unit 5

First: Choose the correct answer:

1 .... kg = 36 g

ⓐ 0.036 ⓑ 36,000 ⓒ 0.36 ⓓ 3.600

2 0.01 X .... = 0.045

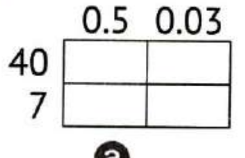
ⓐ 0.45 ⓑ 4.5 ⓒ 45 ⓓ 450

3 The multiplication problem that expresses the corresponding model is ....

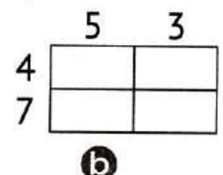
ⓐ 3 X 0.2 ⓑ 0.3 X 2

ⓒ 0.3 X 0.2 ⓓ 3 X 2

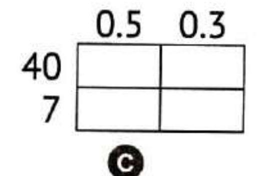
4 The area model that represents 47 X 0.53 is ....



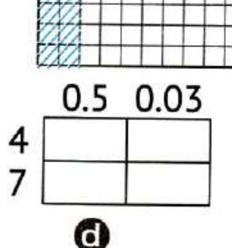
ⓐ



ⓑ



ⓒ



ⓓ

5 5 Tenths X 3 Hundredths = ...

ⓐ 15 ⓑ 1.5 ⓒ 0.15 ⓓ 0.015

6 25.3 ÷ .... = 0.253

ⓐ 0.01 ⓑ 0.1 ⓒ 10 ⓓ 100

7 .... ÷ 0.1 = 36.24

ⓐ 362.4 ⓑ 3,624 ⓒ 3.624 ⓓ 36,240

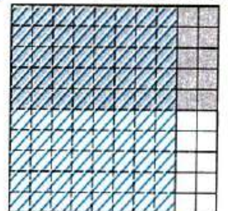
8 The multiplication equation that represents the corresponding model is ....

	6	0.2
0.2		
0.04		

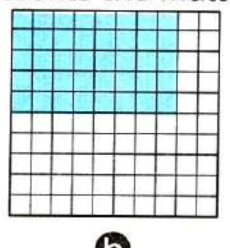
ⓐ 0.24 X 0.62 ⓑ 0.24 X 6.2

ⓒ 2.4 X 6.2 ⓓ 2.4 X 0.62

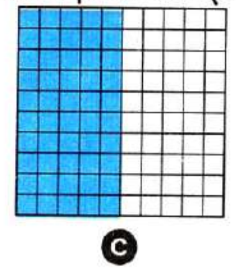
9 The model that represents the multiplication problem (0.5 X 0.8) is ....



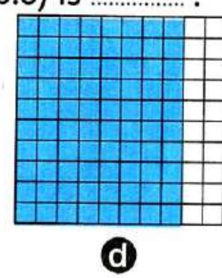
ⓐ



ⓑ



ⓒ



ⓓ

10 4.5 ÷ 0.1 = ...

ⓐ 4.5 X 0.1 ⓑ 45 X 0.1 ⓒ 45 X 10 ⓓ 4.5 X 10

Second: Complete the following:

1 If 8 X 15 = 120, then 8 X 1.5 = ...

2 11.5 X 28.2 ⟶ Estimate: .... X .... = ... **(To the nearest whole number)**

3 0.29 kg = ... X .... = ... g.

4 The length of a rectangle is 1.2 cm and its width is 0.8 cm, then its area is .... cm^2.

5 .... X 100 = 932

6 29.08 ÷ .... = 290.8

7 20.000 ÷ 0.001 = ...

8 18 X 0.01 = 18 ÷ ....

9 4 Tenths X 5 Hundredths = ...

10 4 Tenths ÷ 5 Hundredths = ...

Third: Compare using (<, = or >):

1 4.5 km ..... 4,500 m

2 35.5 ÷ 0.1 ..... 35.5 X 0.1

3 2.5 X 3.5 ..... 25 X 0.35

4 0.06 X 0.4 ..... 0.6 ÷ 0.4

Fourth: Use the standard algorithm to find:

1 4.25 X 3.7 = ...

2 5.6 X 70.82 = ...

3 98 X 3.008 = ...

4 45.5 ÷ 0.5 = ...

5 0.6 ÷ 0.12 = ...

6 14.224 ÷ 5.6 = ...

Mathematics Exercises For November Syllabus

First: Choose the correct answer:

1. 7.5 x .... = 0.075 (10 or 0.1 or 0.01 or 10.0)
2. 1.5 x 5.1 = ... (765 or 76.5 or 7.65 or 0.765)
3. When 5.46 is multiplied by **10**, the **place value** of 6 changes to the .... (Tens or Tenths or Hundredths or Thousandths)
4. 7.5 x 100 = ... (75 or 750 or 7,500 or 0.075)
5. The remainder of the division of **2,541 ÷ 5** is .... (1 or 10 or 2 or 7)
6. 15.2 x 1.5 = ... (22.8 or 228 or 2.28 or 2,280)
7. 3.2 x 1.5 = ... (480 or 48 or 4.8 or 0.48)
8. Samah bought **three** books, the price of one book is **3.25** pounds. Samah paid = ... pounds. (9 or 10 or 9.75 or 9.5)
9. 4.6 x .... = 4,600 (100 or 1,000 or 10 or 1)
10. 4.5 x 12 = ... (540 or 0.54 or 5.4 or 54)
11. The problem representing the corresponding model 42 | 16,884 is .... (16,884 ÷ 420 or 16,884 ÷ 42 or 420 ÷ 42 or 42 ÷ 420)
12. 60 x 30 ☐ 3,600 ÷ 20 (> or = or < or ≥)
13. The divisor in the opposite division problem is .... (4 or 2,500 or 208 or 12)

	200	8
12	2,500	100
	– 2,400	– 96
	100	4

14. 67 x 43 = ... (2,881 or 2,881 or 288.1 or 28.81)
15. The remainder of the division of **307 ÷ 7** is .... (4 or 5 or 6 or 7)
16. 70 x 0.05 = ... (35 or 0.35 or 0.035 or 3.5)
17. 7.4 x 0.29 = ... (21.46 or 2.146 or 2,146 or 214.6)

18 1,800 x .... = 18 (10 or 100 or 0.01 or 0.1)

19 12 x 0.04 = ... (0.48 or 48 or 4.8 or 0.048)

20 3.2 x 7.8 = ... (24.96 or 2.796 or 2,496 or 249.6)

21 211 x 0.01 = ... (0.211 or 2.11 or 21.1 or 0.0211)

22 4.8 x 2.3 = ... (1.104 or 1,104 or 0.1104 or 11.04)

23 40 x .... = 80 x 500 (100 or 10 or 0.01 or 1,000)

24 97 x 0.03 = ... (2.91 or 0.291 or 291 or 2,910)

25 0.013 x .... = 1.3 (100 or 10 or 0.1 or 0.01)

26 3.4 x 2.6 = ... (0.884 or 884 or 8.84 or 88.4)

27 11.2 x 1.3 .... (1.456 or 1,456 or 14.56 or 145.6)

28 532.4 x .... = 5.324 (0.001 or 10 or 0.1 or 0.01)

29 43.5 x 4.1 = ... (135.2 or 178.35 or 43.53 or 123.14)

30 If the product of **w** x 3 is 45, then **w** = ... (15 or 3 or 45 or 10)

31 When dividing **40** by **8** and then subtracting the result from **1,005**, the result is .... (1,000 or 10 or 100 or 1)

32 The dividend in **428 ÷ 2 = 214** is .... (214 or 2 or 428 or 824)

33 30,000 ÷ 50 = ... (6 or 60 or 600 or 6,000)

34 5,062 x 7 ◯ 5,602 x 7 (> or < or = or ≥)

35 .... x 7 = 7,000 (1,000 or 10 or 100 or 1)

36 0.01 x .... = 0.045 (0.45 or 4.5 or 45 or 450)

37 3 Tenths X 5 Tenths = ... (15 or 1.5 or 0.15 or 0.015)

38 40,000 ÷ .... = 800 (5 or 50 or 500 or 5,000)

39 .... ÷ 600 = 40 (24,000 or 2,400 or 240 or 24)

40 2.5 x .... = 250 (1 or 10 or 1,000 or 100)

Revision

Second: Complete the following:

1. The number that, when multiplied by **5**, it gives the product **25** is ....
2. 20.04 x 0.5 = ...
3. 0.532 x .... = 5.32
4. 1,028 x 21 = ...
5. The number that, when multiplied by **12**, it gives the product **0.24** is ....
6. 312 x 15 = ...
7. 0.62 x .... = 620
8. 6.34 x 0.1 = ...
9. 23.14 x 1.2 = ...
10. 45.68 x 10 ( ) 4,568 x 0.01 (< , = , >)
11. 5 x .... = 50,000
12. 60,144 ÷ 12 = ...
13. 80 x 300 = ...
14. If 8 x 15 = 120, then 8 x 1.5 = ...
15. 28.2 x 11.5 (to the nearest **whole number**)

    Estimate: .... x .... = ...
16. .... x 100 = 9.2
17. 5 Hundredths x 4 Tenths = ...
18. 45 x 22 = ...
19. 72,368 ÷ 9 = 8,040 (and the remainder is ....)
20. 800 x 30 ( ) 900 x 20 (< , = , >)
21. 3,352 ÷ 45 = ... and the remainder is ....
22. 3.24 x 5.63 (to the nearest **Tenths**)

    Estimate: .... x .... = ...
23. If 9 x **z** = 72, then **z** = ...
24. The remainder of the division of (**2,564 ÷ 32**) is ....
25. 17 x 68 = ...
26. 30.5 x 4.4 = ...
27. 38.7 x 16.3 (to the nearest **whole number**)

    Estimate: .... x .... = ...
28. The product of 12 x 56 is ....
29. The remainder of the division of **723 ÷ 8** is ....
30. The problem that expresses the opposite form is .... X ....

	5,000	400	5
60			
7			

31 The quotient of the division in the opposite form is ....

92	19,004	
	− 9,200	100
	9,844	
	− 9,200	100
	644	
	− 644	7
	0	

32 The remainder of the division in the opposite form is ....

	100	40	5
42	6,090	1,890	210
	− 4,200	− 1,680	− 210
	1,890	210	0

33 232 x 13 = ...

34 (5 x 30) + (5 x 8) + (60 x 30) + (60 x 8) = ... x ....

Third: Find the result:

1 2.4 x 1.5 x 10 = ...

2 0.12 x 3.5 = ...

3 (1.5 + 2.5) x 0.01 = ...

4 2.5 x 1.2 x 10 = ...

5 1,028 x 21 = ...

6 56.5 x 0.1 = ...

7 2.3 x 1.07 = ...

8 312 x 15 = ...

9 4.5 x 2.4 = ...

10 3.2 x 2.4 = ...

11 54.36 x 1.3 = ...

12

25) 5,775

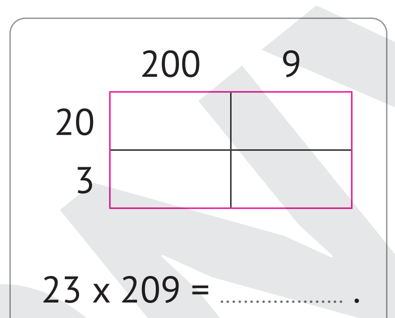


13

1.74
x 3.2
....



14



	200	9
20		
3		

23 x 209 = ...

15 50.23 x 15 = ...

16 350 ÷ 7 = ...

17 8.15 x 0.1 = ...

18 2.45 x 2.1 = ...

19 4,836 ÷ 6 = ...

20 3,844 ÷ 31 = ...

Revision

Fourth: Complete using (<, = or >):

1. 17.92 ◯ 5.6 x 3.2
2. 120 ÷ 2 ◯ 480 ÷ 8
3. 32 x 2 ◯ 32 ÷ 2
4. 75.32 x 10 ◯ 7.532 x 0.01
5. 0.69 ◯ 1.2 x 0.8
6. 241 x 57 ◯ 210 x 57
7. 1,005 – 1,000 ◯ 50 ÷ 10
8. 0.3279 x 10 ◯ 32.97 ÷ 10
9. 0.3 x 0.1 ◯ 0.2 x 0.2
10. 0 ÷ 1,450 ◯ 1 X 1

Fifth: Match:

a

1. 24 x .... = 24,000
2. 100 x 0.001 = ...
3. 22 x 6 = ...

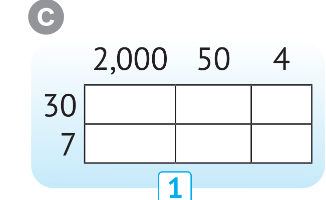
- a) 132
- b) 1,000
- c) 0.1

b

1. 0.132 x 10 = ...
2. Estimate the product of 39.65 x 1.9 **(to the nearest whole number)**
3. 1212 ÷ 6 = ...

- a) 80
- b) 202
- c) 1.32

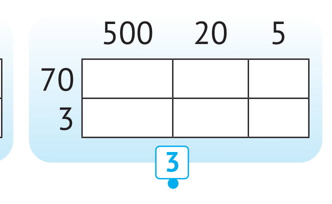
c



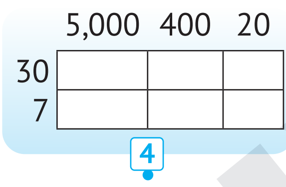
1

	4,000	500	2
70			
3			

2



3



4

- a) 4,502 x 73
- b) 5,420 x 37
- c) 2,054 x 37
- d) 525 x 73

d

1. 52.46 x 0.1 = ...
2. 9,852 ÷ 4 = ...
3. 60 x .... = 42,000

- a) 2,463
- b) 700
- c) 5.246

Sixth: Put (✓) or (✗):

1. The quotient of **3,564 ÷ 3** is 118. ( )
2. When a number is multiplied by 0.01, the decimal point will move two places to the right. ( )
3. 4 x 10,000 = 400,000 ( )
4. The divisor in the division problem **6,000 ÷ 20 = 300** is 20. ( )
5. The product of **1,485 x 12** is estimated to be 10,000. ( )
6. The remainder of **52 ÷ 7** is 3. ( )
7. 0.1 x 0.8 = 0.8 ( )
8. The estimate of the quotient of **9,200 ÷ 33** is 300. ( )
9. The number that, when multiplied by 15, it gives the product 30 is 5. ( )
10. The dividend in the corresponding rectangle area model is 243. ( )

	200	40	3
32	7,776 − 6,400 1,376	1,376 − 1,280 96	96 − 96 0

Seventh: Essay Questions:

1. Find the number that, when divided by **15**, its result is **112** and the remainder is **7**.

2. A tour company wants to transport **320** tourists in buses with a capacity of **24** people each.
How many buses does the company need to transport all the tourists?

3. If the price of **one kilogram** of meat is **154.7** pounds, what is the price of **2.5 kilograms**?

4 Ahmed had 310 pounds; he bought 5 kilograms of oranges and 8 kilograms of apples. If the price of a kilogram of oranges is 6.25 pounds, and the price of a kilogram of apples is 15.75 pounds, how much money does Ahmed have now?

....

....

....

....

5 Wael bought 23 pens. The price of one pen is 235 piasters.
What amount did Wael pay?

....

....

6 A school has 25 classes; each class has 19 girls and 17 boys.
How many students does the school have?

....

....

7 Rehab bought a mobile phone at a price of 3,200 pounds.
She paid 800 pounds in cash and paid the rest in 40 equal monthly installments. Calculate the value of each installment.

....

....

8 Omar has 215 pounds and his sister Fayrouz has **4 times** the amount as Omar, and they want to distribute their money equally among the poor; so that each poor person is given 25 pounds.
Calculate the number of poor.

....

....

Guide Answers
Mathematics Exercises for November Syllabus

First

1 0.01	2 7.65	3 Tenths
4 750	5 1	6 22.8
7 4.8	8 9.75	9 1,000
10 54	11 16,884 ÷ 42	12 >
13 12	14 2,881	15 6
16 3.5	17 2.146	18 0.01
19 0.48	20 24.96	21 2.11
22 11.04	23 1,000	24 2.91
25 100	26 8.84	27 14.56
28 0.01	29 178.35	30 15
31 1,000	32 428	33 600
34 <	35 1,000	36 4.5
37 0.15	38 50	39 24,000
40 100		

Second

1 5	2 10.02	3 10
4 21.588	5 0.02	6 4,680
7 1,000	8 0.634	9 27.768
10 >	11 10,000	12 5,012
13 24,000	14 12	
15 28 x 12 = 336	16 0.092	17 0.02
18 990	19 8	20 >
21 74 , 22	22 3.2 x 5.6 = 17.92	
23 8	24 4	25 1,156
26 134.2	27 39 x 16= 624	28 672
29 3	30 5,405 x 67	31 207
32 0	33 3,016	34 38 x 65

Third

1 36	2 0.42	3 0.04
4 30	5 21,588	6 5.65
7 2.461	8 4,680	9 10.8
10 7.68	11 70.668	12 231
13 5.568	14 4,807	15 753.45
16 50	17 0.815	18 5.145
19 806	20 124	

Fourth

1 =	2 =	3 >
4 >	5 <	6 >
7 =	8 =	9 <
10 <		

Fifth

a	1 → b	2 → c	3 → a
b	1 → c	2 → a	3 → b
c	1 → c	2 → a	
	3 → d	4 → b	
d	1 → c	2 → a	3 → b

Sixth

1 ✗	2 ✗	3 ✗
4 ✓	5 ✓	6 ✓
7 ✗	8 ✓	9 ✗
10 ✗		

Seventh

1. (112 x 15) + 7 = 1,687
2. 320 ÷ 24 = 13 (and the remainder is 8)
   The number of buses is 14 buses.
3. 154.7 x 2.5 = 386.75 pounds
4. 8 x 15.75 = 126 pounds
   5 x 6.25 = 31.25 pounds
   31.25 + 126 = 157.25 pounds
   157.25 – 310 = 152.75 pounds
5. 235 x 23 = 5,405 piasters
6. 25 x (19 + 17) = 25 x 36 = 900 students
7. 3,200 – 800 = 2,400 pounds
   2400 ÷ 40 = 60 pounds
8. 4 x 215 = 860 pounds
   215 + 860 = 1,075 pounds
   1,075 ÷ 25 = 43 persons





November Questions Bank

Question 01 choose the correct answer

1. 3 hundredths x 3 = ...
   ⓐ 9 hundredths ⓑ 9 hundreds ⓒ 0.90 ⓓ 9
2. In the equation 24 ÷ 4 = 6 the remainder is ....
   ⓐ 0 ⓑ 24 ⓒ 4 ⓓ 6
3. 632.2 x .... = 6.322
   ⓐ 100 ⓑ 0.01 ⓒ 0.001 ⓓ 100
4. 2,520 ÷ 12 = ...
   ⓐ 12 ⓑ 123 ⓒ 210 ⓓ 321
5. 6.2 x 0.001 = ...
   ⓐ 0.0062 ⓑ 0.006 ⓒ 0.062 ⓓ 6200
6. Mr Mahmoud Elkholy bought 200 can SPIRO SPATHIS for 8 LE each ,then he pay ....LE
   ⓐ 200 ⓑ 2,000 ⓒ 1600 ⓓ 16,000
7. 56 ÷ .... = 56
   ⓐ 1 ⓑ 56 ⓒ 0 ⓓ 8
8. 654 x 100 = ...
   ⓐ 0.654 ⓑ 65,400 ⓒ 654 ⓓ 0.6541
9. In 30 ÷ 7 = 4 R2 , the divisor is ....
   ⓐ 30 ⓑ 7 ⓒ 2 ⓓ 4
10. 63 hundredths x 5 = ...
    ⓐ 315 hundredths ⓑ 0.315 ⓒ 31.5 ⓓ 315
11. 1,300 x 5 = ...
    ⓐ 65 hundreds ⓑ 65000 ⓒ 65 ⓓ 1,800
12. 1,000 x .... = 52.1
    ⓐ 52,100 ⓑ 0.521 ⓒ 0.0521 ⓓ 5.2







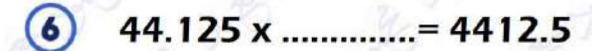
13. There are .... grams in 7 kg
   ⓐ 700 ⓑ 7,000 ⓒ 7 ⓓ 0.007
14. 47.8 x 5.2 = ...
   ⓐ 248.56 ⓑ 24,856 ⓒ 2,485.6 ⓓ 24.856
15. 2 tenths x 2 = ...
   ⓐ 4 ⓑ 0.4 ⓒ 4 hundredths ⓓ 40
16. 0.23 x 6 = ...
   ⓐ 138 ⓑ 0.138 ⓒ 1.38 ⓓ 13.8
17. 37 ÷ 9 = 4 R ....
   ⓐ 1 ⓑ 2 ⓒ 3 ⓓ 4
18. 0 ÷ 200 = ...
   ⓐ 200 ⓑ 1 ⓒ 0 ⓓ 2000
19. There are .... Litres in 41,000 mL
   ⓐ 41 ⓑ 410 ⓒ 41,000,000 ⓓ 4
20. 0.0045 x .... = 45
   ⓐ 100 ⓑ 1000 ⓒ 10,000 ⓓ 0.0001
21. 0.32 x 12 = ...
   ⓐ 3.84 ⓑ 384 ⓒ 38.4 ⓓ 0.384
22. 54 x 0.001 = ...
   ⓐ 54000 ⓑ 0.54 ⓒ 0.054 ⓓ 504
23. Quotient x divisor + remainder = ...
   ⓐ dividend ⓑ Quotient ⓒ divisor ⓓ all
24. 25,000 = ...
   ⓐ 25 x 000 ⓑ 25 + 1,000 ⓒ 25 x 1,000 ⓓ 20,000
25. Estimate the product of 982 x 31 is ....
   ⓐ 4,000 ⓑ 3,000 ⓒ 30,000 ⓓ 2,700
26. 40 x 6 = ...tens
   ⓐ 240 ⓑ 24 ⓒ 2,400 ⓓ 406
27. 4 tens x 2 hundreds = ...thousands
   ⓐ 40 ⓑ 200 ⓒ 8,000 ⓓ 8



28. 15.15 ÷ 0.15 = ...
    (a) 11 (b) 110 (c) 101 (d) 1.01
29. 800 g = ...kg
    (a) 0.8 (b) 8 (c) 0.08 (d) 0.008
30. 8.43 x 0.2 = ...(to the nearest hundredths)
    (a) 1.686 (b) 1.7 (c) 1.69 (d) 2
31. 8.4 L – 3,200 ml = ... L
    (a) 52 (b) 5,200 (c) 0.52 (d) 5.2
32. The quotient of 0.49 ÷ 0.7 = ...
    (a) 7 (b) 0.7 (c) 0.07 (d) 70
33. 0.5 ÷ 0.2 = ...
    (a) 25 (b) 0.25 (c) 2.5 (d) 250
34. 30 days = ...weeks (to the nearest week)
    (a) 4.2 (b) 4 (c) 5 (d) 10
35. 0.2546 x 1000 = ...
    (a) 254.6 (b) 2546 (c) 25.46 (d) 2.546
36. ....is the amount left over that is not enough to form another equal group .
    (a) quotient (b) remainder (c) divisor (d) dividend
37. The product of 777 x 11 is closer to ....
    (a) 700 x 10 (b) 800 x 10 (c) 888 x 10 (d) 7000
38. The distributive property of 63 x 12 is ....
    (a) (3 x 2) + (3 + 10) + (60 x 2) + (60 x 10) (b) (60 + 3) x (10 + 2)
    (c) 756 (d) 12 x 63

Question 02 complete

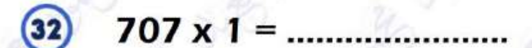
1. 20 L = ...mL .
2. The decimal point in the product of 2.1 x 4.14 is after .... Place .
3. 6 x 265 = (6 x ....) + (.................x 60) + (6 x ....) .
4. 362 x 100 x 0.01 = ...
5. 125 x 0 = ...



6. 44.125 x ....= 4412.5
7. 87 x 23 = ...
8. 65.4 x 0.01 = ...
9. .... ÷ 5 = 8 R2
10. if 2860 ÷ 28 = 102 R4 , then 28 x 102 = ...
11. 29 ÷ 2 = 14 R......................
12. 54 ÷ 54 = ...
13. 4,004 ÷ 4 = ...
14. The dividend in 81 ÷ 9 = 9 is ....
15. The quotient of 45 ÷ 5 = 9 is ....
16. 63 x ....= 6,300
17. 602.1 x 0.01 = ...
18. 3 x ....= 300,000
19. 721 x 5 = 5 x 1 + 5 x ....+ 5 x 700
20. 16 km = ...m
21. 8,690 ÷ 42 = ...R ....
22. ....x 1,000 = 20,000
23. ....X 100 = 32.1
24. 2.3 x 1.4 = ...
25. 3.24 x 10 - 1.2 = ...
26. Product of two numbers in the tenths place would have a product in the ....Place
27. 8.43 x 0.9 = ...To the nearest hundredths
28. 620 x 100 = ...
29. If 16 x 12 = 192 , then 1.6 x 12 =......................
30. 60 x 1,000 = ...
31. Complete by using the following area model

	50	8
40	2,000	320
2	100	16

58 × 42 = (40 ×..........) + (40 × 8) + (..... × 50) + (2 × .....) = ...



32. 707 x 1 = ...
33. 1 x 3216 = ...
34. ....= quotient x divisor + remainder
35. 364 ÷ 1 = ...
36. 16,000 ÷ 8 = ...
37. If 23 x 325 = 7475 , then ....
38. 32.14 x 100 = ...
39. 0.5 x 18 = ...
40. 0.1 x 0.1 = ...
41. 1,000 x ....= 6
42. 0.01 x (321 + 9) = ...
43. complete the area model and find the answer
(40 × 40) + (40 × 8) + (9 × 40) + (9 × 8) = ...

	40	
	1,600	
9		72

44. 15 x 25 = (10 + ...) x (................+ 5)
45. 7,500 x 0.01 = ...
46. If 25 x 321 = 8,025 , then 8,025 ÷ 25 = ...
47. 564 ÷ 1 = ...
48. 3214 x 1 = ...
49. 541 x 0 = ...
50. 0 ÷ 457 = ...
51. 450 ÷ 450 = ...
52. 0.4 x 0.2 = ...
53. 65.4 ÷ 0.01 = ...
54. 3 ÷ 0.6 =.......................
55. 452 cm = ...m
56. 20 g = ...kg
57. 0.005 L = ...mL
58. 200 meters = ...centimeters

Question 03 compare using (< , > or =)

No.			
1	4,000	....	200 x 200
2	507 x 31	....	31 x 507
3	1 x 6	....	0 x 154,000
4	45 x 100	....	45 x 986
5	100 x 400	....	10 x 452
6	6 km	....	60 meters
7	145 x 10	....	145 tens
8	56 ÷ 1	....	56
9	364 ÷ 0	....	364 x 0
10	the divisor in 64 ÷ 16 = 4	....	the divisor in 64 ÷ 4 = 16
11	divisor	....	remainder
12	65 ÷ 65	....	321 ÷ 321
13	1	....	0 ÷ 635
14	1 ÷ 1	....	0
15	25	....	625 ÷ 25
16	3,003 ÷ 1,001	....	5
17	25 ÷ 2	....	25 x 3
18	3.45 x 0.01	....	3.45 x 100
19	0.033 x 10	....	3.3 x 0.1
20	1,234	....	1.234 x 1000
21	2.514 x 10	....	25.14 x 0.01
22	754.6 x 0.01	....	0.7546 x 10
23	3.214 x 10	....	3,214 x 0.01
24	0.007 x 1000	....	70,000 x 0.001
25	25.47 x 10	....	0.02547 x 1000
26	0.15 x 39.8	....	1.15 x 0.398
27	0.47 x 15.22	....	4.7 x 1.522



Question 04 Answer the following

1. The price of 35 cans is 525 LE , find the price of each can .

   ....

2. Ahmed baked 15 cup cakes . 5 of them fell on the floor . Distribute the remainder equally between Amira and Adam . How many cup cakes will Amira eat ?

   ....

3. There were 600 ducks in the nest yesterday . Today, 320 ducks were sold and 50 ducks died . How many ducks will be left ?

   ....

4. Aliaa used 9 kg of flour in a recipe for cake . How many grams of flour did she use ?

   ....

5. Ola bought 75 books for 43 L.E. each . How much money did Ola pay ?

   ....

6. Esraa bought 231 boxes of juice for 21 L.E. each . What is the cost of all boxes ?

   ....

7. An employee works 480 min daily . How many hours will the employee work in 7 days ?

   ....

8. If the price of a carton of milk is 15 LE , and the price of a carton of juice is 17.5 LE m and the price of carton of yogurt 14.75 LE . what is the price for buying 4 cartons of milk , 3 cartons of juice and 5 cartons of yogurt ?

   ....

9. A box containing 725 g of spices was distributed equally into 10 packages . How many grams in each package ?

   ....

10. Abeer has 28 cans . She wants to divide it equally on 7 tables . How many cans will be on each table ?

    ....

11. Mahmoud earns 6 L.E daily . In how many days will he earn 54 LE ?

    ....

12. Sandy distributed 36 pieces of candy to 9 children equally , how many pieces of candy with each child ?

....

13. Mr Mahmoud Elkholy wants to distribute 240 prizes equally over 6 classes . How many prizes will each class get ?

....

14. Fatma bought 100 pens , if the price of one pen is 3.12 LE . How much money Fatma paid ?

....

15. There were 13 boys and 17 girls in the class . Mr Mahmoud want them to work in groups of 10 students . How many groups there were ?

....

16. A wooden bar of length 4.12 m is divided into 10 pieces of equal length . what is the length of each piece in centimeters ?

....

تم بحمد لله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم

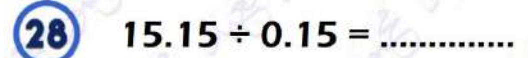
Answers



Question 01 choose the correct answer

1. 3 hundredths x 3 = ...
   - (a) <u>9 hundredths</u>
   - (b) 9 hundreds
   - (c) 0.90
   - (d) 9
2. In the equation 24 ÷ 4 = 6 the remainder is ....
   - (a) <u>0</u>
   - (b) 24
   - (c) 4
   - (d) 6
3. 632.2 x .... = 6.322
   - (a) 100
   - (b) <u>0.01</u>
   - (c) 0.001
   - (d) 100
4. 2,520 ÷ 12 = ...
   - (a) 12
   - (b) 123
   - (c) <u>210</u>
   - (d) 321
5. 6.2 x 0.001 = ...
   - (a) <u>0.0062</u>
   - (b) 0.006
   - (c) 0.062
   - (d) 6200
6. Mr Mahmoud Elkholy bought 200 can SPIRO SPATHIS for 8 LE each ,then he pay ....LE
   - (a) 200
   - (b) 2,000
   - (c) <u>1600</u>
   - (d) 16,000
7. 56 ÷ .... = 56
   - (a) <u>1</u>
   - (b) 56
   - (c) 0
   - (d) 8
8. 654 x 100 = ...
   - (a) 0.654
   - (b) <u>65,400</u>
   - (c) 654
   - (d) 0.6541
9. In 30 ÷ 7 = 4 R2 , the divisor is ....
   - (a) 30
   - (b) <u>7</u>
   - (c) 2
   - (d) 4
10. 63 hundredths x 5 = ...
    - (a) <u>315 hundredths</u>
    - (b) 0.315
    - (c) 31.5
    - (d) 315
11. 1,300 x 5 = ...
    - (a) <u>65 hundreds</u>
    - (b) 65000
    - (c) 65
    - (d) 1,800
12. 1,000 x .... = 52.1
    - (a) 52,100
    - (b) 0.521
    - (c) <u>0.0521</u>
    - (d) 5.2

13. There are .... grams in 7 kg
   (a) 700 (b) 7,000 (c) 7 (d) 0.007
14. 47.8 x 5.2 = ...
   (a) 248.56 (b) 24,856 (c) 2,485.6 (d) 24.856
15. 2 tenths x 2 = ...
   (a) 4 (b) 0.4 (c) 4 hundredths (d) 40
16. 0.23 x 6 = ...
   (a) 138 (b) 0.138 (c) 1.38 (d) 13.8
17. 37 ÷ 9 = 4 R ....
   (a) 1 (b) 2 (c) 3 (d) 4
18. 0 ÷ 200 = ...
   (a) 200 (b) 1 (c) 0 (d) 2000
19. There are .... Litres in 41,000 mL
   (a) 41 (b) 410 (c) 41,000,000 (d) 4
20. 0.0045 x .... = 45
   (a) 100 (b) 1000 (c) 10,000 (d) 0.0001
21. 0.32 x 12 = ...
   (a) 3.84 (b) 384 (c) 38.4 (d) 0.384
22. 54 x 0.001 = ...
   (a) 54000 (b) 0.54 (c) 0.054 (d) 504
23. Quotient x divisor + remainder = ...
   (a) dividend (b) Quotient (c) divisor (d) all
24. 25,000 = ...
   (a) 25 x 000 (b) 25 + 1,000 (c) 25 x 1,000 (d) 20,000
25. Estimate the product of 982 x 31 is ....
   (a) 4,000 (b) 3,000 (c) 30,000 (d) 2,700
26. 40 x 6 = ...tens
   (a) 240 (b) 24 (c) 2,400 (d) 406
27. 4 tens x 2 hundreds = ...thousands
   (a) 40 (b) 200 (c) 8,000 (d) 8



28) 15.15 ÷ 0.15 = ...

ⓐ 11 ⓑ 110 ⓒ 101 ⓓ 1.01

29) 800 g = ...kg

ⓐ 0.8 ⓑ 8 ⓒ 0.08 ⓓ 0.008

30) 8.43 x 0.2 = ...(to the nearest hundredths)

ⓐ 1.686 ⓑ 1.7 ⓒ 1.69 ⓓ 2

31) 8.4 L – 3,200 ml = ... L

ⓐ 52 ⓑ 5,200 ⓒ 0.52 ⓓ 5.2

32) The quotient of 0.49 ÷ 0.7 = ...

ⓐ 7 ⓑ 0.7 ⓒ 0.07 ⓓ 70

33) 0.5 ÷ 0.2 = ...

ⓐ 25 ⓑ 0.25 ⓒ 2.5 ⓓ 250

34) 30 days = ...weeks (to the nearest week)

ⓐ 4.2 ⓑ 4 ⓒ 5 ⓓ 10

35) 0.2546 x 1000 = ...

ⓐ 254.6 ⓑ 2546 ⓒ 25.46 ⓓ 2.546

36) ....is the amount left over that is not enough to form another equal group .

ⓐ quotient ⓑ remainder ⓒ divisor ⓓ dividend

37) The product of 777 x 11 is closer to ....

ⓐ 700 x 10 ⓑ 800 x 10 ⓒ 888 x 10 ⓓ 7000

38) The distributive property of 63 x 12 is ....

ⓐ (3 x 2) + (3 + 10) + (60 x 2) + (60 x 10) ⓑ (60 + 3) x (10 + 2)
ⓒ 756 ⓓ 12 x 63

Question 02 complete

1) 20 L = ...20,000.........mL .

2) The decimal point in the product of 2.1 x 4.14 is after ......3.... Place .

3) 6 x 265 = (6 x ...200...) + (...6....x 60) + (6 x ...5.....) .

4) 362 x 100 x 0.01 = ...362......

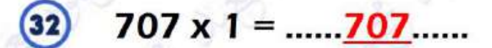
5) 125 x 0 = ...0.....



6. 44.125 x ......100........= 4412.5
7. 87 x 23 = ...2001....
8. 65.4 x 0.01 = ...0.654...
9. ......42.... ÷ 5 = 8 R2
10. if 2860 ÷ 28 = 102 R4 , then 28 x 102 = ...2856.........
11. 29 ÷ 2 = 14 R ......1......
12. 54 ÷ 54 = ...1...
13. 4,004 ÷ 4 = ...1,001.......
14. The dividend in 81 ÷ 9 = 9 is ......81......
15. The quotient of 45 ÷ 5 = 9 is ......9.......
16. 63 x ......100..... = 6,300
17. 602.1 x 0.01 = ...6.021.......
18. 3 x ......100,000........ = 300,000
19. 721 x 5 = 5 x 1 + 5 x ...20... + 5 x 700
20. 16 km = ...16000.....m
21. 8,690 ÷ 42 = ...206..... R ....38......
22. ...20...... x 1,000 = 20,000
23. ....0.321........ X 100 = 32.1
24. 2.3 x 1.4 = ...3.22...........
25. 3.24 x 10 - 1.2 = ...31.2....
26. Product of two numbers in the tenths place would have a product in the ......hundredths..... Place
27. 8.43 x 0.9 = ...7.59........ To the nearest hundredths
28. 620 x 100 = ...62,000......
29. If 16 x 12 = 192 , then 1.6 x 12 = ...19.2.....
30. 60 x 1,000 = ...60,000.....
31. Complete by using the following area model

	50	8
40	2,000	320
2	100	16

58 × 42 = (40 × .....50..) + (40 × 8) + (....2.. × 50) + (2 × ..8...) = ...2,436....



32. 707 x 1 = ...707......
33. 1 x 3216 = ...3216.....
34. ......dividend......... = quotient x divisor + remainder
35. 364 ÷ 1 = ...364......
36. 16,000 ÷ 8 = ...2,000......
37. If 23 x 325 = 7475 , then ......7475 ÷ 23 = 325........
38. 32.14 x 100 = ...3214....
39. 0.5 x 18 = ...9.....
40. 0.1 x 0.1 = ...0.01...
41. 1,000 x ...0.006...... = 6
42. 0.01 x (321 + 9) = ...3.3.......
43. complete the area model and find the answer
(40 × 40) + (40 × 8) + (9 × 40) + (9 × 8) = ...2,242......

	40	8
40	1,600	320
9	360	72

44. 15 x 25 = (10 + ...5 ..) x (...20....+ 5)
45. 7,500 x 0.01 = ...75....
46. If 25 x 321 = 8,025 , then 8,025 ÷ 25 = ...321.......
47. 564 ÷ 1 = ...564....
48. 3214 x 1 = ...3,214....
49. 541 x 0 = ...0...
50. 0 ÷ 457 = ...0....
51. 450 ÷ 450 = ...1...
52. 0.4 x 0.2 = ...0.08......
53. 65.4 ÷ 0.01 = ...6,540....
54. 3 ÷ 0.6 =.........5......
55. 452 cm = ...4.52................m
56. 20 g = ...0.02.................kg
57. 0.005 L = ...5..................mL
58. 200 meters = ...20,000..........................centimeters

Question 03 compare using (< , > or =)

No.			
1	4,000	<	200 x 200
2	507 x 31	=	31 x 507
3	1 x 6	>	0 x 154,000
4	45 x 100	<	45 x 986
5	100 x 400	>	10 x 452
6	6 km	>	60 meters
7	145 x 10	=	145 tens
8	56 ÷ 1	=	56
9	364 ÷ 0	<	364 x 0
10	the divisor in 64 ÷ 16 = 4	>	the divisor in 64 ÷ 4 = 16
11	divisor	>	remainder
12	65 ÷ 65	=	321 ÷ 321
13	1	>	0 ÷ 635
14	1 ÷ 1	>	0
15	25	=	625 ÷ 25
16	3,003 ÷ 1,001	<	5
17	25 ÷ 2	<	25 x 3
18	3.45 x 0.01	<	3.45 x 100
19	0.033 x 10	=	3.3 x 0.1
20	1,234	=	1.234 x 1000
21	2.514 x 10	>	25.14 x 0.01
22	754.6 x 0.01	=	0.7546 x 10
23	3.214 x 10	=	3,214 x 0.01
24	0.007 x 1000	<	70,000 x 0.001
25	25.47 x 10	>	0.02547 x 1000
26	0.15 x 39.8	>	1.15 x 0.398
27	0.47 x 15.22	=	4.7 x 1.522

Question 04 Answer the following

1. The price of 35 cans is 525 LE , find the price of each can .
   525 ÷ 35 = 15 L.E
2. Ahmed baked 15 cup cakes . 5 of them fell on the floor . Distribute the remainder equally between Amira and Adam . How many cup cakes will Amira eat ?
   15 - 5 = 10 cup cakes - 10 ÷ 2 = 5 cup cakes
3. There were 600 ducks in the nest yesterday . Today, 320 ducks were sold and 50 ducks died . How many ducks will be left ?
   600 - (320 + 50) = 230 ducks
4. Aliaa used 9 kg of flour in a recipe for cake . How many grams of flour did she use ?
   9 kg = 9 x 1,000 = 9,000 grams
5. Ola bought 75 books for 43 L.E. each . How much money did Ola pay ?
   75 x 43 = 3,225 L.E.
6. Esraa bought 231 boxes of juice for 21 L.E. each . What is the cost of all boxes ?
   231 x 21 = 4,851 L.E.
7. An employee works 480 min daily . How many hours will the employee work in 7 days ?
   480 ÷ 60 = 8 hours - 8 x 7 = 56 hours
8. If the price of a carton of milk is 15 LE , and the price of a carton of juice is 17.5 LE m and the price of carton of yogurt 14.75 LE . what is the price for buying 4 cartons of milk , 3 cartons of juice and 5 cartons of yogurt ?
   4 x 15 = 60 LE - 3 x 17.5 = 52.5 LE - 5 x 14.75 = 73.75 LE
   - the total price = 73.75 + 52.5 + 60 = 186.25 LE
9. A box containing 725 g of spices was distributed equally into 10 packages . How many grams in each package ?
   725 ÷ 10 = 72.5 g
10. Abeer has 28 cans . She wants to divide it equally on 7 tables . How many cans will be on each table ?
    28 ÷ 7 = 4 boxes
11. Mahmoud earns 6 L.E daily . In how many days will he earn 54 LE ?
    54 ÷ 6 = 9 days

(12) Sandy distributed 36 pieces of candy to 9 children equally , how many pieces of candy with each child ?

36 ÷ 9 = 4 pieces

(13) Mr Mahmoud Elkholy wants to distribute 240 prizes equally over 6 classes . How many prizes will each class get ?

240 ÷ 6 = 40 prizes

(14) Fatma bought 100 pens , if the price of one pen is 3.12 LE . How much money Fatma paid ?

100 x 3.12 = 312 LE

(15) There were 13 boys and 17 girls in the class . Mr Mahmoud want them to work in groups of 10 students . How many groups there were ?

13 + 17 = 30 students - 30 ÷ 10 = 3 groups

(16) A wooden bar of length 4.12 m is divided into 10 pieces of equal length . what is the length of each piece in centimeters ?

4.12 ÷ 10 = 0.412 m = 41.2 cm

تم بحمد لله ،

بسم الله الرحمن الرحيم " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم

Unit 3

Choose the correct answer

1. What is the ones digit in the product of 34×123 ?

A. 2 B. 3 C. 6 D. 8

2. What is the ones digit in the product of 36×123 ?

A. 8 B. 6 C. 3 D. 2

3. $54 \times a = 18 \times 54$, then a =

A. 972 B. 54 C. 18 D. 3

4. If $5 \times V = 45$, then V = ______

A. 5 B. 9 C. 30 D. 1

5. $4 \times 354 = (4 \times 300) + (4 \times 50) + ($ ______ $)$

A. 4×4 B. 4×40 C. 4×400 D. 40×40

6. $85 \times 69 = (80 \times 60) + (80 \times 9) + (5 \times 9) + ($ ______ $)$

A. 5×6 B. 5×60 C. 50×6 D. 50×60

7. $75 \times 43 = (70 \times 40) + (70 \times 3) + (5 \times 40) + (5 \times$ ______ $)$

A. 70 B. 40 C. 5 D. 3

8. $(78 \times 72) = (70 \times 78) + ($ ______ $\times 78)$

A. 70 B. 2 C. 8 D. 7

9. $(200 + 30 + 3) \times (30 + 5) =$ ______

A. 223×35 B. 233×35 C. 233×53 D. 233×8

10. $(100 + 70 + 6) \times (20 + 9) =$ ______

A. 176×209 B. 176×29 C. 176×92 D. 176×902

Choose the correct answer

11. $(100 + 100 + 70 + 4) \times (6 + 80) =$ ______
A. 174×86 B. 174×68 C. 274×86 D. 274×68

12. $[40 \times 32] + [2 \times 32] =$ ______ $\times 32$
A. 24 B. 42 C. 8 D. 6

13. $(3 \times 61) + (5 \times 61) =$ ______ $\times 61$
A. 53 B. 35 C. 8 D. 6

14. $(6 \times 85) + (2 \times 85) =$ ______ $\times 85$
A. 24 B. 42 C. 8 D. 6

15. $53 \times$ ______ $= (53 \times 4) + (53 \times 6)$
A. 4 B. 6 C. 8 D. 10

16. $74 \times$ ______ $= (74 \times 5) + (74 \times 3)$
A. 8 B. 15 C. 47 D. 74

17. $(11 \times 3) + (11 \times 20) + (11 \times 100) = 11 \times$ ______
A. 123 B. 321 C. 213 D. 210

18. $[80 \times 10] + [80 \times 5] + [3 \times 10] + [3 \times 5] =$ ______
A. 85×13 B. 83×15 C. 83×51 D. 38×51

19. ______ $= (50 \times 600) + (50 \times 30) + (50 \times 1) + (3 \times 600) + (3 \times 30) + (3 \times 1)$
A. 536×51 B. 635×31 C. 631×53 D. 651×35

20. If $496 = 4 \times (A) + 9 \times (B) + 6$, then $A + B =$ ______
A. 100 B. 10 C. 110 D. 490

Choose the correct answer

21 Which distributive products can be used to solve 83×15 ?

A. $(8 \times 1) + (8 \times 5) + (3 \times 1) + (3 \times 5)$
B. $(80 \times 10) \times (80 \times 5) \times (3 \times 10) \times (3 \times 5)$
C. $(80 \times 10) + (80 \times 5) + (3 \times 10) + (3 \times 5)$
D. $(80 \times 1) + (80 \times 5) + (3 \times 10) + (3 \times 5)$

22 $24 \times 136 =$ ______

A. $(20 \times 100) + (20 \times 3) + (20 \times 6) + (4 \times 100) + (4 \times 30) + (4 \times 6)$
B. $(20 \times 100) + (20 \times 30) + (20 \times 6) + (4 \times 100) + (4 \times 30) + (4 \times 6)$
C. $(4 \times 1) + (4 \times 3) + (4 \times 6) + (2 \times 1) + (2 \times 3) + (2 \times 6)$
D. $(2 \times 100) + (2 \times 30) + (2 \times 6) + (4 \times 100) + (4 \times 30) + (4 \times 6)$

23 $73 \times 24 =$ ______

A. $(70 \times 40) + (70 \times 2) + (3 \times 40) + (3 \times 2)$
B. $(70 \times 10) + (70 \times 10) + (70 \times 4) + (3 \times 10) + (3 \times 10) + (3 \times 4)$
C. $(70 \times 20) + (70 \times 20) + (3 \times 20) + (3 \times 20)$
D. $(7 \times 20) + (7 \times 4) + (30 \times 20) + (30 \times 4)$

24 $2 \times$ ______ $= 2,000$

A. 10 B. 100 C. 1,000 D. 10,000

25 $29 \times$ ______ $= 2,900$

A. 10 B. 100 C. 1,000 D. 10,000

26 ______ $\times 1,000 = 270,000$

A. 72 B. 27 C. 270 D. 720

27 $20 \times 50 =$ ______

A. 100 B. 1,000 C. 2,500 D. 25

Choose the correct answer

28. $110 \times 40 =$ ______

A. 44 B. 440 C. 4,400 D. 44,000

29. 3 Hundreds × 7 Hundreds = ______ Hundreds.

A. 210,000 B. 2,100 C. 21,000 D. 21

30. $160 \times 15 =$ ______

A. 24 Thousands B. 24 Hundreds C. 24 Tens D. 24 Hundredths

31. $320 \times 15 =$ ______

A. 48 B. 48 tens C. 48 hundreds D. 48 thousands

32. $25 \times 32 =$ ______ Hundreds.

A. 8 B. 80 C. 800 D. 8,000

33. $24 \times 15 =$ ______ Tens

A. 360 B. 36 C. 3.6 D. 3,600

34. The product of 237 × 25 is closer to ______

A. 5,000 B. 6,000 C. 7,000 D. 8,000

35. 876 × 72 is near close to ______

A. 56,000 B. 5,600 C. 63,000 D. 72,000

36. The product of 372 × 52 is close to ______

A. 20,000 B. 15,000 C. 7,000 D. 10,000

37. 49 × 523 is closer to ______

A. 2,500 B. 25,000 C. 20,000 D. 2,000

Unit 3

Choose the correct answer

38 The product of 193 × 19 is near close to ______

A. 4,000 B. 40 C. 400 D. 40,000

39 Estimate the product of 971 × 23 is ______

A. 20,000 B. 8,000 C. 2,000 D. 20

40 Use front end estimation to estimate 42 × 69 = ______

A. 2,400 B. 2,800 C. 3,200 D. 3,600

41 243 × 14 ◯ 324 × 14

A. < B. = C. >

42 327 × 53 ◯ 199 × 43

A. > B. < C. =

43 16 × 15 ◯ 20 × 13

A. > B. = C. <

44 What is the unknown value in the area of 27 × 43 ?

A. 6 B. 60

C. 12 D. 120

×	40	3
20	800	?
7	280	21

45 What is the unknown value in the area model of 35 × 475 ?

A. 430 B. 1,200

C. 12,000 D. 120

	400	70	5
30	?	2,100	150
5	2,000	350	25

46 What is the unknown value in the area model of 53 × 795 ?

A. 4,500 B. 3,500

C. 35 D. 35,000

	700	90	5
50	?	4,500	250
3	2,100	270	15

Choose the correct answer

47 The multiplication problem which expresses the opposite area model is ______

	60	5
40	2,400	200
3	180	15

A. 46×35 B. 56×34
C. 65×43 D. 43×605

48 The missing number in the product is ______

$$\begin{array}{r} 723 \\ \times \quad 14 \\ \hline \text{_____} \\ +\ 7{,}230 \\ \hline 10{,}122 \end{array}$$

A. 2,882
B. 10,122
C. 2,892
D. 2,880

49 3,496 = ______
A. 152×23 B. 152×32 C. 215×23 D. 215×32

50 5,508 = ______
A. 54×342 B. 36×153 C. 61×281 D. 32×372

51 $1{,}001 \times 25 =$ ______
A. 2,525 B. 25,025 C. 250,025 D. 5,225

52 $15 \times 21 =$ ______
A. 135 B. 513 C. 315 D. 3,015

53 $38 \times 564 =$ ______
A. 20,532 B. 21,433 C. 21,432 D. 20,332

54 Mona bought 31 boxes of juice for 25 L.E. each. She paid = ______ L.E.
A. 757 B. 775 C. 577 D. 7,750

Unit 3

Choose the correct answer

55. A merchant bought 136 boxes of juice for 25 L.E. each. How much money did he pay ?

A. 3,400 L.E. B. 3,170 L.E. C. 3,200 L.E. D. 3,236 L.E.

56. Hany runs 110 minutes every day. What is the number of running minutes in 15 days ?

A. 1,065 B. 1,605 C. 1,560 D. 1,650

57. A shoes costs 400 L.E., which is 4 times as much as a shirt costs, then a shirt cost = ______ L.E.

A. 500 B. 396 C. 300 D. 100

Complete the following

1. $(9 \times 27) = (9 \times$ ______ $) + (9 \times 7)$
2. $7 \times 74 = (7 \times 4) + (7 \times$ ______ $)$
3. $567 \times 3 = (500 \times 3) + ($ ______ $\times 3) + (60 \times 3)$
4. $17 \times 509 = (10 + 7) \times ($ ______ $+ 9)$
5. $26 \times 3 = (20 \times$ ______ $) + ($ ______ $\times 3) = 60 + 18$
6. $15 \times 46 = [10 \times$ ______ $] + [10 \times 6] + [5 \times 40] + [$ ______ $\times 6]$
7. $234 \times 57 = (200 \times 50) + (200 \times 7) + (30 \times 50) + (30 \times$ ______ $) + (4 \times 50) + (4 \times 7)$
8. $43 \times 26 = (3 \times 6) + (3 \times 20) + (40 \times 6) + (40 \times$ ______ $)$

Complete the following

9. $(6 \times 87) + (2 \times 87) =$ ______ $\times 87$

10. $(3 \times 200) + (3 \times 50) + (3 \times 7) = 3 \times$ ______

11. $78 \times$ ______ $= (3 \times 8) + (20 \times 8) + (3 \times 70) + (20 \times 70)$

12. $(70 \times 30) + (70 \times 5) + (4 \times 30) + (4 \times 5) =$ ______ $\times$ ______

13. $253 \times$ ______ $= (70 \times 200) + (70 \times 50) + (70 \times 3) + (4 \times 200) + (4 \times 50) + (4 \times 3)$

14. $(3 \times 5) + (40 \times 5) + (3 \times 90) + (40 \times 90) =$ ______ $\times 95$

15. The Ones digit of the product of $2,786 \times 84$ will be ______

16. The ones digit of the product of $3,594 \times 93$ will be ______

17. The product of 899×11 is closer to the product of ______ $\times$ ______

18. The product of 799×12 is closer to the product of ______ $\times$ ______

19. If $4 \times m = 16$, then the value of $m =$ ______

20. If $a \times 5 = 50$, then $a =$ ______

21. $n \times 123 = 0$ $n =$ ______

22. $34 \times$ ______ $= 3,400$

23. $15 \times$ ______ $= 15,000$

24. ______ $\times 1,000 = 340,000$

Complete the following

25) ________ × 9 = 900,000

26) 70,000 = 7 × ________

27) 1,000 × ________ = 150,000

28) 5 × ________ = 20,000

29) 130 × 30 = ________

30) 120 × 40 = ________

31) 4,231 × 3 = ________

32) 21 × 64 = ________

33) Sara bought 36 books for 100 L.E. each. She paid = ________

34)

	40	7
10	____	____
3	____	____

35)

```
   7,585
×     73
--------
  22,755
  ______
--------
  ______
```

Answer the following

1. Solve the problem using an area model $42 \times 51 =$ ______

2. Use the distributive property of multiplication to find the product of 47×35

3. Youssef saves 87 L.E. every month. Find the total sum of money which he will save in 10 weeks.

4. Yousef bought 100 pens of the same type. The price of each pen is 17 pounds. How much money Yousef paid ?

5. A factory produces 4,550 toys every month. Another factory produces 7,350 toys every month. Find the difference between their product in ten months.

6. Doaa saved five times which Walaa saved. If Doaa saved 35 L.E. , find the money which Walaa saved.

7. 8 friends everyone has 122 pounds. Find the total amount of money.

8. Youssef walk every day 5 km, if he walk 154 days in the year. How many kilometers did he walk ?

9. Ashraf runs 14 hours every week. What is the number of running hours in 25 weeks ?

10. Ahmed has 300 pounds to spend on new clothes. If he bought 12 pair of socks for 18 pounds a pair. **How much money will he have left to spend ?**

11. Marwa saved 125 pounds , Ahmed saved 11 times as Marwa , Mariam saved 9 times as Marwa. How much money they saved ?

Answer the following

12 In one year, a factory used 13,250 meters of cotton, 6,850 fewer meters of silk than cotton, and 1,500 fewer meters of wool than silk.

How many meters of fabric were used in all?

13 Use the following area models to write the distribution equation.

a.

	100	20	7
5	500	100	35

____

____

b.

	30	6
20	600	120
2	60	12

____

____

The Answers

Choose the correct answer:

1. A	2. A	3. C	4. B	5 . A
6. B	7. D	8. B	9. B	10. B
11. C	12. B	13. C	14. C	15. D
16. A	17. A	18. B	19. C	20. C
21. C	22. B	23. B	24. C	25. B
26. C	27. B	28. C	29. B	30. B
31. C	32. A	33. B	34. B	35. C
36. A	37. B	38. A	39. A	40. A
41. A	42. A	43. C	44. B	45. C
46. D	47. C	48. C	49. A	50. B
51. B	52. C	53. C	54. B	55. A
56. D	57. D			

Complete the following:

1) 20	2) 70	3) 7	4) 500
5) 3 , 6	6) 40,5	7) 7	8) 20
9) 8	10) 257	11) 23	12) 74 X 35
13) 74	14) 43	15) 4	16) 2
17) 900 X 10	18) 800 X 10	19) 4	20) 10
21) 0	22) 100	23) 1000	24) 340

The Answers

Complete the following:

25) 100,000 26) 10,000 27) 150

28) 4000 29) 3900 30) 4800

31) 12,693 32)1464 33) 3600 L.E.

34) 400,70,120,21 35) 530,950 , 553,705

Answer the following:

1) 42X51 = 2142

	50	1
40	2000	40
2	100	2

2) 47 X 35 = (40 X 30) + (40 X 5) + (7 X 30) + (7 X 5)

= 1200 + 200 + 210 + 35 = 1645

3) 87 X 10 = 870 L.E.

4) 100 X 17 = 1700 pounds

5) F 1 = 4550 x 10 = 45500 F2 = 7350 x 10 = 73500

The difference = 73,500 – 45,500 = 28,000 toys

The Answers

6) 35 = 5 x 7 Walaa saved 7 L.E.

7) 122 X 8 = 976 pounds

8) 154 X 5 = 770 KM

9) 14 X 25 = 350 hours

10) 12 x 18 = 216 pounds

The left = 300 – 216 = 84 pounds

11) Marwa = 125 pounds

Ahmed = 125 x 11 =1375 pounds

Mariam = 125 x 9 = 1125 pounds

The total = 125 + 1375+ 1125 = 2625 pounds

12) cotton = 13,250 m

Silk = 13250 – 6850 = 6400 m

Wool = 6400 – 1500 = 4900 m

All = 13250 + 6400 + 4900 = 24,550 m

13) a. (5 x 100) + (5 x 20) + (5 x 7) = 500 + 100 + 35 = 635

b . (20 x 30) + (20 x 6) + (2 x 30) + (2 x 6)

= 600 + 120 + 60 + 12 = 792

Unit 4

Choose the correct answer

1. In the equation $36 \div 4 = 9$, the quotient is ______
   A. 36 B. 4 C. 9 D. zero

2. In $30 \div 7 = 4$ R 2, the divisor is ______
   A. 30 B. 7 C. 4 D. 2

3. The dividend in the equation $36 \div 4 = 9$ is ______
   A. 36 B. 4 C. 9 D. zero

4. In the equation $666 \div 19 = 35$ R1, the remainder is ______
   A. 666 B. 19 C. 35 D. 1

5. The quotient in the equation $48 \div 6 = 8$ is ______
   A. 48 B. 6 C. 8 D. 0

6. If $215 \div 43 = 5$, then the divisor is ______
   A. 5 B. 43 C. 34 D. 215

7. In the division equation $4{,}235 \div 35 = 121$, the dividend is ______
   A. 4,236 B. 35 C. 121 D. 1

8. $44 \div 7 = 6$ and remainder ______
   A. 1 B. 2 C. 3 D. 4

9. In the equation $24 \div 4 = 6$, the remainder is ______
   A. 1 B. 2 C. 0 D. 4

10. $29 \div 4 = 7$ R ______
    A. 0 B. 1 C. 2 D. 3

Unit 4

Choose the correct answer

11. The remainder in the equation $36 \div 9 = 4$ is ______
   A. 36 B. 9 C. 4 D. zero

12. The division equation that matches $113 \times 24 = 2{,}712$ is ______
   A. $113 \div 24 = 2{,}712$ B. $113 \div 2{,}712 = 24$ C. $24 \div 2{,}712 = 113$ D. $2{,}712 \div 24 = 113$

13. The division equation that matches $125 \times 36 = 4{,}500$ is ______
   A. $4{,}500 - 125 = 36$ B. $125 \div 36 = 4{,}500$ C. $4{,}500 \div 36 = 125$ D. $125 + 36 = 4{,}500$

14. If $3{,}768 \div 24 = 157$, then $24 \times 157 =$ ______
   A. 3,768 B. 3,769 C. 3,770 D. 3,767

15. If $3{,}012 \div 12 = 251$, then $251 \times 12 =$ ______
   A. 3,013 B. 3,012 C. 3,014 D. 3,015

16. If $125 \times 5 = 625$, then $626 \div 5 = 125$ R ______
   A. 3 B. 1 C. 5 D. 2

17. If $26 \times 352 = 9{,}152$, then $9{,}155 \div 26 =$ ______
   A. 352 B. 352 R 1 C. 352 R 2 D. 352 R 3

18. If $35 \times 121 = 4{,}235$ then $4{,}236 \div 35 =$ ______
   A. 121 B. 121 R1 C. 121 R2 D. 121 R3

19. If $14 \times 365 = 5{,}110$, then $5{,}111 \div 14 =$ ______
   A. 365 R11 B. 365 C. 365 R1 D. 365 R15

20. If $51 \times 23 = 1{,}173$, then $1{,}180 \div 23 = 51$ R ______
   A. 4 B. 5 C. 6 D. 7

Choose the correct answer

21. If $3{,}321 \div 27 = 123$, then $3{,}323 \div 27 =$ ______
A. 123 B. 123 R 1 C. 123 R 2 D. 123 R 3

22. Quotient × divisor + remainder = ______
A. divisor B. quotient C. remainder D. dividend

23. Which expression can be used to check the solution of the following division problem? $8{,}668 \div 24 = 361$ R 4
A. 24×361 B. $28 \times 8{,}668$ C. $361 \times 4 + 24$ D. $24 \times 361 + 4$

24. If $840 \div 24 = 35$, then $35 \times 24 + 5 =$ ______
A. 840 B. 850 C. 845 D. 485

25. If $7{,}785 \div 31 = 251$ R 4, then $31 \times 251 =$ ______
A. 7,784 B. 7,782 C. 7,781 D. 7,783

26. If $7{,}785 \div 31 = 251$ R 4, then $31 \times 251 + 3 =$ ______
A. 7,786 B. 7,785 C. 7,784 D. 7,783

27. $4{,}150 \div 29 = 143$ R ______
A. 4 B. 2 C. 1 D. 3

28. $328 \div 18 = 18$ R ______
A. 2 B. 5 C. 6 D. 4

29. $3{,}330 \div 32 = 104$ R ______
A. 2 B. 3 C. 4 D. 5

30. $3{,}681 \div 35 = 105$ R ______
A. 3 B. 4 C. 5 D. 6

Unit 4

Choose the correct answer

31. $5,262 \div 57 = 92$ R ______

A. 18 B. 57 C. 92 D. 0

32. $2,215 \div 15 = 147$ R ______

A. 15 B. 10 C. 5 D. 0

33. $123 \div 123 =$ ______

A. 1 B. 2 C. 3 D. 4

34. $643 \div$ ______ $= 643$

A. 0 B. 1 C. 10 D. 100

35. zero $\div 235 =$ ______

A. 0 B. 1 C. 2 D. 23

36. $36 \div$ ______ $= 9$

A. 4 B. 5 C. 3 D. 6

37. ______ $\div 4 = 80$

A. 20 B. 320 C. 480 D. 800

38. $120 \div 12 =$ ______

A. 10 B. 20 C. 12 D. 21

39. $1,500 \div 50 =$ ______

A. 3 B. 30 C. 300 D. 3,000

40. 325 is divisible by ______

A. 5 B. 3 C. 2 D. 9

Unit 4

Choose the correct answer

41) 36 ÷ 9 ◯ 36 ÷ 5

A. > B. < C. =

42) 1,515 ÷ 15 = ______

A. 11 B. 101 C. 1,001 D. 15

43) 2,323 ÷ 23 = ______

A. 11 B. 11.1 C. 1.1 D. 101

44) 4,444 ÷ 44 = ______

A. 11 B. 101 C. 110 D. 1,001

45) 2,002 ÷ 22 = ______

A. 19 B. 91 C. 109 D. 901

46) 4,224 ÷ 12 = ______

A. 235 B. 352 C. 532 D. 32

47) Quotient of 7,668 ÷ 54 is ______

A. 142 B. 124 C. 214 D. 241

48) 8,283 ÷ 33 = ______

A. 25 B. 215 C. 512 D. 251

49) 1,376 ÷ 43 = ______

A. 43 B. 23 C. 32 D. 320

50) 6,293 ÷ 31 = ______

A. 203 R1 B. 302 C. 203 D. 302 R1

Unit 4

Choose the correct answer

51 In the opposite area model , which choice best represents the problem ?

A. $3,159 \div 13 = 2403$
B. $3,159 \div 13 = 243$
C. $3,159 \div 13 = 234$
D. $3,159 \div 13 = 342$

	200	40	3
13	3,159	559	39
	−2,600	−520	−39
	559	39	00

52 In the opposite area model, which choice best represents the problem ?

A. $1,740 \div 15 = 1,151$
C. $1,740 \div 15 = 116$
B. $1,740 \div 15 = 100 + 151$
D. $1,740 \div 51 = 116$

	100	10	5	1
15	1,740	240	90	15
	− 1,500	− 150	− 75	− 15
	240	90	15	00

53 In the opposite area model , which choice best represents the problem ?

A. $2,835 \div 21 = 100,305$
B. $2,835 \div 21 = 180$
C. $2,835 \div 21 = 135$
D. $2,835 \div 12 = 135$

	100	10	10	10	5
21	2,835	735	525	315	105
	−2,100	−210	−210	−210	−105
	735	525	315	105	0

54 Which area model best represents $2,583 \div 21$?

A.

	100	20	3
21	2,583	483	63
	− 2,100	− 420	− 63
	483	63	00

B.

	100	10	3
21	2,583	483	263
	− 2,100	− 210	− 263
	483	263	000

C.

	100	10	42
21	2,583	483	63
	− 2,100	− 420	− 63
	483	63	00

D.

	100	20	6
21	2,583	483	63
	− 2,100	− 420	− 63
	483	63	00

Choose the correct answer

55 Using the opposite area model to divide 1,530 ÷ X , then the value of X is ______

	100	2
X	1,530 1,500	30 – 30
	30	00

A. 1,530
B. 102
C. 30
D. 15

56 In the opposite area model of division , the value of x is ______

	200	x	7
34	7,378 –6,800 578	578 –340 238	238 –238 000

A. 1
B. 10
C. 100
D. 1,000

57 Using the opposite area model to divide 3,084 ÷ 12, then the value of X is ______

	100	100	X	7
12	3,084 – 1,200 1,884	1,884 – 1,200 684	684 – 600 84	84 – 84 00

A. 100
B. 50
C. 10
D. 5

58 What is the value of M in the opposite division problem ?

$$17\overline{)3,978} = M$$

A. 324
B. 342
C. 234
D. 432

59 A man bought 12 toys for 288 L.E. , then the price of each toy is ______ L.E.

A. 300
B. 24
C. 276
D. 42

60 A car its length 196 cm, a factory design a car sample its length 4 cm. How many times the car longer than the car sample ?

A. 47
B. 48
C. 49
D. 94

Unit 4

Complete the following

1. If $676 \div 52 = 13$, then the dividend is ______
2. The quotient in $480 \div 10 = 48$ is ______
3. If $30 \div 5 = 6$, then 5 is called ______
4. In the division equation $29 \div 3 = 9$ R 2, the remainder is ______
5. The quotient of $54 \div 5 = 10$, then the remainder is ______
6. $34 \div 4 = 8$ R ______
7. $30 \div 4 = 7$ R ______
8. $64 \div 6 = 10$ R ______
9. The remainder of divided 17 by 5 is ______
10. If $735 \div 21 = 35$, then $35 \times 21 =$ ______
11. If $125 \times 5 = 625$, then $626 \div 5 = 125$ R ______
12. If $13 \times 257 = 3{,}341$, then $3{,}344 \div 13 = 257$ R ______
13. If $650 \div 25 = 26$, then $26 \times 25 + 5 =$ ______
14. Quotient × divisor + remainder = ______
15. $0 \div 51{,}362 =$ ______

Complete the following

16. $3,561 \div 1 =$ ________
17. $2,761 \div 2,761 =$ ________
18. $120 \div 20 =$ ________
19. $150 \div 30 =$ ________
20. $1,313 \div 13 =$ ________
21. If the price of 15 books is 315 pounds , then the price of each book equals ________ pounds.
22. The quotient in opposite area model is ________

	60	4
35	2,240 – 2,100	140 – 140
	140	000

23. The quotient in the opposite area model is ________

25	1,825 – 1,750 75	75 – 75 00

Answer the following

1. Use the area model strategy to solve

   a. 1,035 ÷ 9   b. 3,813 ÷ 31   c. 6,203 ÷ 11

2. using the standard algorithm to Divide

   a. $25\overline{)3,075}$ b. $57\overline{)5,262}$

3. If 18 plums are divided equally into 3 bags, then how many plums will be in each bag?

4. .A man paid 15 pounds to buy three pens. Find the price of each pen.

5. A father wants to distribute 210 L.E. among his three children. How much money did each child get?

6. A teacher wants to distribute 280 prizes to 7 classes equally. How many prizes per each class?

7. Hossam has 28 cans. He wants to divide it equally on 7 tables. How many cans will be on each table?

8. There were 29 girls and 27 boys in a class. The teacher asked them to work in groups of 8 How many groups there were?

Answer the following

9. Distribute 3,600 L.E. between 9 persons equally.
How much every one take ?

10. If 120 pens are pocked each 12 to a bag , then how many bags will be there ?

11. If the price of 12 books is 480 pounds , then find the price of each book.

12. A baker made 135 serving of baklava for a party. If each baking tray holds 11 servings of baklava , how many trays will be needed to hold all the baklava ?

13. A school with 779 students , distributed equally into 19 classes.
Find the number of students in each class ?

14. A charity wants to distribute 3,125 pounds into 25 persons equally.
What's the share of each person ?

15. If 165 passengers travels to cairo by private cars, if the number of passengers in each car is 11 passengers , what is the number of cars to transport all the passengers ?

The Answers

Choose the correct answer:

1. C	2. B	3. A	4. D	5. C
6. B	7. A	8. B	9. C	10. B
11. D	12. D	13. C	14. A	15. B
16. B	17. D	18. B	19. C	20. D
21. C	22. D	23. D	24. C	25. C
26. C	27. D	28. D	29. A	30. D
31. A	32. D	33. A	34. 1	35. A
36. A	37. B	38. A	39. B	40. A
41. B	42. B	43. D	44. B	45. B
46. B	47. A	48. D	49. C	50. C
51. B	52. C	53. C	54. A	55. D
56. B	57. B	58. C	59. B	60. C

Complete the following:

1) 676	2) 48	3) divisor	4) 2
5) 4	6) 2	7) 2	8) 4
9) 2	10) 735	11) 0	12) 3
13) 655	14) dividend	15) 0	16) 3561
17) 1	18) 6	19) 5	20) 101
21) 21	22) 64	23) 73	

The Answers

Answer the following:

1) a. 115 b. 123 c. 563 R 10

2) a. 123 b. 92 R 18

3) 18 ÷ 3 = 6 plums

4) 15 ÷ 3 = 5 pounds

5) 210 ÷ 3 = 70 L.E.

6) 280 ÷ 7 = 40 prizes

7) 28 ÷ 7 = 4 cans

8) 29 + 27 = 56 56 ÷ 8 = 7 groups

9) 3600 ÷ 9 = 400 L.E.

10) 120 ÷ 12 = 10 bags

11) 480 ÷ 12 = 40 L.E.

12) 135 ÷ 11 = 12 R 3 we needs 13 trays

13) 779 ÷ 19 = 41 students

14) 3125 ÷ 25 = 125 pounds

15) 165 ÷ 11 = 15 cars

Q1: Choose the correct answer:

1) [100 + 100 + 70 + 4] x [6 + 80] = ...

ⓐ 174 x 86 ⓑ 174 x 68 ⓒ 274 x 86 ⓓ 274 x 68

2) [3 x 61] + [5 x 61] = ... x 61

ⓐ 53 ⓑ 35 ⓒ 8 ⓓ 6

3) 4 x 354 = [4 x 300] + [4 x 50] + [.................]

ⓐ 4 x 4 ⓑ 4 x 40 ⓒ 4 x 400 ⓓ 40 x 40

4) What is the ones digit of the product of 953 x 23 will be without solving the whole problem?

ⓐ 0 ⓑ 2 ⓒ 9 ⓓ 3

5) 15 x 21 = ...

ⓐ 135 ⓑ 513 ⓒ 315 ⓓ 3,015

6) Hany runs 110 minutes every day. What is the number of running minutes in 15 days?

ⓐ 1,065 ⓑ 1,605 ⓒ 1,560 ⓓ 1,650

7) What is the unknown value in the area model of 21 x 53 ?

	50	3
20	1,000	?
1	50	3

ⓐ 60 ⓑ 600 ⓒ 6,000 ⓓ 6

8) 25 x 7,561 = ...

ⓐ 188,025 ⓑ 177,005 ⓒ 175,705 ⓓ 189,025

9) 12 x 52 .... 21 x 17

ⓐ > ⓑ < ⓒ = ⓓ otherwise



10) Estimate the product of 971 x 23 is ....

ⓐ 20,000 ⓑ 8,000 ⓒ 2,000 ⓓ 20



11) 320 x 15 = ...

ⓐ 48 thousands ⓑ 48 tens ⓒ 48 hundred ⓓ 48



12) [80 x 10] + [80 x 4] + [3 x 10] + [3 x 4] = ...

ⓐ 83 x 14 ⓑ 38 x 14 ⓒ 83 x 41 ⓓ 38 x 41

13) The missing number in the product is ....

	723
x	14
	....
+	7,230
	10,122

ⓐ 2,882 ⓑ 10,122 ⓒ 2,892 ⓓ 2,880

14) 12 x 200 = ...

ⓐ 24 tens ⓑ 24 hundreds ⓒ 24 thousands ⓓ 24

15) 3 Hundreds x 7 Hundreds = ... hundreds

ⓐ 210,000 ⓑ 2,100 ⓒ 21 ⓓ 21,000

Q2: Complete the following:

1) The product of 689 x 21 is closer to the product of .... x ....
2) The Ones digit of the product of 4,287 x 53 will be ....
3) Farida bought 42 books for 50 L.E each, She paid ....
4) .... x 1,000 = 405,000
5) 70 x 80 = ...
6) 50 x 120 = ... hundreds
7) 24 x 15 = ... tens
8) If 4 x m = 32, then the value of m is ....

Q2: Answer the following:

1) Yousef bought 100 pens ofthe same type. The price of each pen is 12 pounds. How much money Yousef paid ? ________________
2) Use the distributive property of multiplication and area model to find the product of 26 x 43.
3) Marwa saved 125 pounds ,Ahmed saved 10 times as Marwa ,Mariam saved 6 times as Marwa, How much money they saved ?
4) Mona bought 31 boxes of juice for 25 L.E each, She paid?





Q1: Choose the correct answer:

1) 45 ÷ 6 = 7 R 3, the dividend is ....
   ⓐ 6 ⓑ 45 ⓒ 7 ⓓ 3

2) 328 ÷ 18 = 18 R ....
   ⓐ 2 ⓑ 5 ⓒ 6 ⓓ 4

3) 684 ÷ .... = 684
   ⓐ 0 ⓑ 1 ⓒ 10 ⓓ 100

4) The divisor in the equation 63 ÷ 9 = 7 is ....
   ⓐ 63 ⓑ 9 ⓒ 7 ⓓ zero

5) Quotient of 7,668 ÷ 54 is ....
   ⓐ 142 ⓑ 124 ⓒ 214 ⓓ 241

6) 1f 7,785 ÷ 31 = 251 R 4, then 31 x 251 + 4 = ...
   ⓐ 7,786 ⓑ 7,785 ⓒ 7,784 ⓓ 7,783

7) The division equation that matches 125 x 36 = 4,500 is ....
   ⓐ 4,500 - 125 = 36 ⓑ 125 ÷ 36 = 4,500 ⓒ 4,500 ÷ 36 = 125 ⓓ 125 + 36 = 4,500

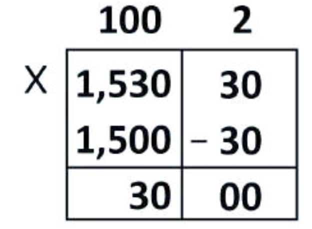
8) If 51 x 23 = 1,173, then 1,180 ÷ 23 = 51 R ....
   ⓐ 4 ⓑ 5 ⓒ 6 ⓓ 7

9) 3,003 ÷ 33 = ...
   ⓐ 19 ⓑ 91 ⓒ 109 ⓓ 901

10) In the equation 24 ÷ 4 = 6, the remainder is ....
   ⓐ 1 ⓑ 2 ⓒ 0 ⓓ 4

11) 7,641 ÷ 100 = ...
   ⓐ 7.641 ⓑ 76.41 ⓒ 764.1 ⓓ 0.7641

12) Using the opposite area model to divide 1,530 ÷ X ,then the value of X is ....
   ⓐ 1,530 ⓑ 102
   ⓒ 30 ⓓ 15



	100	2
X	1,530	30
	1,500	- 30
	30	00





Q2: Complete the following:

1) 0 ÷ 51,362 = ………….
2) If the price of 13 books is 390 pounds, then the price of each book equals ………….
3) Quotient x divisor + remainder = …………….
4) 2,785 ÷ 2,785 = ……………..
5) 858 ÷ 85 = ……….. R …………
6) The quotient in the opposite area model is ………
7) 1,818 ÷ 18 = ……….
8) If 325 ÷ 25 = 13 ,then 25 is called …………..

	1,825	75
25	1,750	− 75
	75	00

Q3: Answer the following:

1) If 18 plums are packed each 3 in a bag, then how many bags will be there?
2) Distribute 5,400 L.E between 9 persons equally. How much every one take ?
3) A charity wants to distribute 6,325 pounds into 25 persons equally.
   What's the share of each person ?
4) What is the number that if divided by 6, the quotient is 27?
5) A teacher wants to distribute 280 prizes to 7 classes equally.
   How many prizes per each class ?
6) A father wants to distribute 420 L.E. among his four children, He gave the oldest one half of total. How much money did each of other child get?
7) A school with 779 students , distributed equally into 19 classes.
   Find the number of students in each class ?
8) Ahmed saved 650 L.E, Farida saved 5 times as ahmed, Murad saved 500 L.E more than Farida.
   How much money were saved by all?

Q1: Choose the correct answer:

1) 85.3 x 0.01 = ...

ⓐ 853 ⓑ 0.853 ⓒ 8.53 ⓓ 85.03

2) 2 Thousandths x 4 = ...

ⓐ 8 ⓑ 0.008 ⓒ 0.8 ⓓ 0.08

3) [2.35 x 10] - 11.1 = ...

ⓐ 223.9 ⓑ 23.5 ⓒ 12.4 ⓓ 2.4

4) 0.1 x 0.1 = ...

ⓐ 0.03 ⓑ 0.02 ⓒ 0.01 ⓓ 0.2

5) 9.58 x .... = 958

ⓐ 1 ⓑ 10 ⓒ 100 ⓓ 1,000

6) The product 0.9 x 5 = ...

ⓐ 0.45 ⓑ 4.5 ⓒ 5.4 ⓓ 45

7) Since 8 x 12 = 96, then 0.8 x 0.12 = ...

ⓐ 0.96 ⓑ 0.0096 ⓒ 0.096 ⓓ 9.6

8) 5 Thousandths x 4 = ...

ⓐ 0.02 ⓑ 0.2 ⓒ 2 ⓓ 20

9) 9.734 x 10 = ... [to the nearestTenths]

ⓐ 97.34 ⓑ 97.4 ⓒ 10 ⓓ 97.3

10) 7 Tenths x 5 Tenths = ...

ⓐ 35 ⓑ 3.5 ⓒ 0.35 ⓓ 0.035

11) 0.300 x 100 .... 30,000 x 0.001

ⓐ > ⓑ < ⓒ = ⓓ otherwise



12) 2.51 x .... = 0.251

ⓐ 0.1 ⓑ 0.01 ⓒ 0.001 ⓓ 10



13) 5.8 x 7.4 = ...

ⓐ 42.29 ⓑ 24.29 ⓒ 42.92 ⓓ 24.92

14) 4.1 x 1.1 = ...

ⓐ 45.1 ⓑ 451 ⓒ 0.451 ⓓ 4.51

15) 85.2 x 0.01 .... 0.0852 x 10

ⓐ > ⓑ < ⓒ = ⓓ otherwise

Q2: Complete the following:

1) .... x 0.01 = 5.324
2) 123 x 0.01 = ...
3) 17.17 x 0.1 = ...
4) If 326 x 7 = 2,282 , then 0.326 x 7 = ...
5) 320 x 15 = ... Hundreds
6) 0.25 x 4 = ...
7) 9.734 x 10 = ... [to the nearest Tenths]
8) 8.534 x 100 = ... [to the nearest whole number]
9) If 548 x 6 = 3,288 , then 5.48 x 0.7 = ...

Q3: Answer the following:

1) Use area model to solve the following:
   a. 4.6 x 2.7   b. 2.5 x 1.2   c. 3.6 x 1.1
2) Nassr bought 12 cans of soda, if the price of one can is 8.5 pounds.
   How much money did Nassr pay ?
3) A rope that is 4.5 meters long is cut into 3 equal pieces.
   How tong is each piece ?
4) Find the result of: 2.14 x 2.7
5) Ant walks 0.2 km on a day. How many meters does it walk in week?
6) [72.12 + 2.71] x 10 = ...





Q1: Choose the correct answer:

1) c
2) c
3) a
4) c
5) c
6) d
7) a
8) d
9) a
10) a
11) c
12) a
13) c
14) b
15) c

Q2: Complete the following:

1) 700 x 20
2) 1
3) 2,100
4) 405
5) 5,600
6) 60
7) 36
8) 8

Q3: Answer the following:

1) 100 x 12 = 1,200 pounds

2) [20 + 6] x [40 + 3] = [20 x 40] + [20 x 3] + [6 x 40] + [6 x 3]
= 800 + 60 + 240 + 18 = 1,118

3) what ahmed saved = 10 x 125 = 1,250 L.E
what marwa saved = 125 x 6 = 750 L.E
All saved together = 1,250 + 750 + 125 = 2,125 L.E

4) She paid = 31 x 25 = 775 L.E

Q1: Choose the correct answer:

1) b
2) d
3) b
4) b
5) a
6) b
7) c
8) d
9) b
10) c
11) b
12) d

Q2: Complete the following:

1) 0
2) 30
3) dividend
4) 1
5) 10 R 8
6) 73
7) 101
8) divisor

Q3: Answer the following:

1) 6 bags
2) 600
3) 253
4) 162
5) 40
6) Old one take = 420 ÷ 2 = 210 L.E each child take = 210 ÷ 3 = 70 L.E
7) 41
8) what farida saved = 5 x 650 = 3,250 L.E
   what Murad saved = 3,250 + 500 = 3,750 L.E
   All saved together = 650 + 3,250 + 3,750 = 7,650 L.E







Q1: Choose the correct answer:

1) b
2) b
3) c
4) c
5) c
6) b
7) c
8) a
9) d
10) c
11) c
12) a
13) a
14) d
15) c

Q2: Complete the following:

1) 532.4
2) 1.23
3) 1.717
4) 2.282
5) 48
6) 1
7) 97.3
8) 853
9) 3.288

Q3: Answer the following:

1) Draw area model by youself
   a. 12.42 b. 3 c. 3.96
2) 102 L.E
3) 1.5 m
4) 5.778
5) 1.4 km
6) 74.83 x 10 = 748.3





(1) Choose the correct answer:

1) (3 × 61) + (5 × 61) = ……. × 61

a. 53 b. 35 c. 8 d. 6

2) (40 × 23) + (2 × 23) = ……. × 23

a. 24 b. 42 c. 8 d. 6

3) (11 × 3) + (11 × 20) + (11 × 100) = 11 × …….

a. 123 b. 321 c. 213 d. 210

4) The area model of multiplication equation: 26 × 18 is …………

a.

	2	6
1	2	6
8	16	48

b.

	20	6
10	2	60
8	160	480

c.

	20	6
10	200	60
8	160	48

d.

	80	2
10	800	20
6	480	12

5) The missing number in the opposite area model is …………

a. 6 b. 60

c. 600 d. 500

	20	5
30	……	150
2	40	10

6) From the opposite model, the value of y is …………

a. 300 × 6 b. 60 × 6

c. 4 × 6 d. 60 × 30

	300	60	4
30	9,000	1,800	120
6	1,800	y	24

7) The opposite area model represents multiplication problem: …………

a. 25 × 34 b. 25 × 43

c. 52 × 43 d. 52 × 34

	20	5
40	800	200
3	60	15

8) Estimate of the product of 971 × 23 is …………

a. 20,000 b. 8,000 c. 2,000 d. 20

9) The result of estimation of: 603 × 97 by using rounding to the nearest ten is ....

a. 600 **b.** 6,000 **c.** 60,000 **d.** 7,000

10) 23 × .... = 2,300

a. 10 **b.** 100 **c.** 1,000 **d.** 10,000

11) 45 × 33 = ...

a. 1,845 **b.** 1,485 **c.** 1,548 **d.** 8,154

12) A train consist of 12 wagons, each wagon has 48 seats, then the number of seats in the train = ... seat

a. 4 **b.** 36 **c.** 60 **d.** 576

13) The divisor in 216 ÷ 43 = 5 R1 is ....

a. 216 **b.** 43 **c.** 5 **d.** 1

14) 640 ÷ .... = 640

a. 0 **b.** 1 **c.** 10 **d.** 100

15) 29 ÷ 4 = 7 R ....

a. 0 **b.** 1 **c.** 2 **d.** 3

16) 1,515 ÷ 15 = ...

a. 11 **b.** 101 **c.** 1,001 **d.** 15

17) If 3,012 ÷ 12 = 251 , then 251 × 12 = ...

a. 3,012 **b.** 3,013 **c.** 3,014 **d.** 3,015

18) Quotient of 7,668 ÷ 54 is ....

a. 142 **b.** 124 **c.** 214 **d.** 241

19) If 26 × 352 = 9,152 , then 9,155 ÷ 26 = ...

a. 352 **b.** 352 R1 **c.** 352 R2 **d.** 352 R3

20) 4,150 ÷ 29 = 143 R ....

a. 4 b. 2 c. 1 d. 3

21) From the opposite model, the quotient is ....

a. 5 b. 20

c. 100 d. 125

	100	20	5
5	625 – 500 125	125 – 100 25	25 – 25 00

22) The division equation which represents the opposite area model is ....

a. 975 ÷ 25 = 39 b. 39 ÷ 25 = 975

c. 975 ÷ 25 = 38 d. 975 ÷ 25 = 31

	30	8	1
25	975 – 750 225	225 – 200 25	25 – 25 00

23) The divisor in the opposite area model is ....

a. 100 b. 50

c. 7 d. 150

	100	50
7	1,050 – 700 350	350 – 350 000

24) The remainder in the opposite model is ....

a. 216 b. 15

c. 3,248 d. 8

	200	10	6
15	3,248 – 3,000 248	248 – 150 98	98 – 90 08

25) 85.3 × 0.01 = ...

a. 853 b. 8.53 c. 0.853 d. 85.03

26) 2 thousandths × 4 = ...

a. 8 b. 0.8 c. 0.08 d. 0.008

27) $35.2 \times \frac{1}{10} =$ ....

a. 35.20 b. 35.02 c. 3.52 d. 30.52

28) 2.51 × .... = 0.251

a. 0.1 b. 0.01 c. 0.001 d. 10

29) 0.1 × 0.1 = ...

a. 0.03 b. 0.02 c. 0.01 d. 0.2

30) 3 hundredths × 3 = ...

a. 9 hundreds b. 9 hundredths c. 0.90 d. 9

31) 3 tenths × 4 tenths = ...

a. 12 tenths b. 12 hundredths
c. 12 thousandths d. 12 ones

32) 3 × 2 thousandths = ... thousandths

a. 5 b. 6 c. 32 d. 23

33) The product of 0.9 × 5 = ...

a. 0.45 b. 4.5 c. 5.4 d. 45

34) 3.1 × 1.1 = ...

a. 34.1 b. 341 c. 0.341 d. 3.41

35) Since 35 × 47 = 1,645 , then 3.5 × 0.47 = ...

a. 164.5 b. 16.45 c. 1.645 d. 1,645

36) From the area model , m = ...

a. 20 b. 0.02
c. 0.2 d. 2

	4	0.3
2	8	0.6
0.5	m	0.15

(2) Complete:

1) $234 \times 57 = (200 \times 50) + (200 \times 7) + (30 \times 50) + (30 \times$ .....$) + (4 \times 50) + (4 \times 7)$

2) $43 \times 26 = (3 \times 6) + (3 \times 20) + (40 \times 6) + (40 \times$ ......$)$

3) $78 \times$ .... $= (3 \times 8) + (20 \times 8) + (3 \times 70) + (20 \times 70)$

4) $130 \times 30 =$ ....

5) $4,231 \times 3 =$ ....

6) Sara bought 36 books for 100 L.E each. She paid = ...

7) If $4 \times m = 16$, then the value of m = ...

8) .... $\times 9 = 900,000$

9) If $325 \div 25 = 13$, then 25 is called ....

10) If $676 \div 52 = 13$, then the dividend is ....

11) The remainder of divided 17 by 5 is ....

12) $34 \div 4 = 8$ R ....

13) $45 \div 5 = 9$ R ....

14) The quotient of $480 \div 10 = 48$ is ....

15) $0 \div 23 =$ ....

16) $120 \div 20 =$ ....

17) $1.74 \times 3.5 =$ ....

18) $25 \times 32.5 =$ ....

19) $0.2 \times 0.3 =$ ....

20) .... $\times 0.01 = 5.324$

(3) Answer the following:

1) A group of 48 people want to travel by bus. Each bus ticket costs 175 L.E. How much do they need to pay in all?

2) Ahmed bought 10 pens of the same type, if the price of one pen is 4.5 pounds. How much money Ahmed paid?

3) A school distributed 840 books among 15 classes equally, find number of books in each class?

4) A teacher wants to distribute 510 prizes to 5 classes equally. How many prizes per each class?

5) Find the result of: 2.14×2.7

Q1) Choose the correct answer:

1- 74÷9 =8 R2 so the dividend is…………

a)9 b) 8 c) 2 d) 74

2- 750 x 10,000=…………………………….

a)7,500,000 b) 75,000 c) 750 d) 7,500

3- 23 kg = ……………….g

a) 230 b) 2300 c)23000 d)23

4- 74÷9 =8 R2 so the dividend is…………

a)9 b) 8 c) 2 d) 74

5- 74÷9 =8 R2 so the quotient is…………

a)9 b) 8 c) 2 d) 74

6- 74÷9 =8 R2 so the divisor is…………

a)9 b) 8 c) 2 d) 74

7- 234x15 ………….254 x15

a) < b) > c)=

8- 19 × 521 = (19 × 500) + (19 × 20) + (……..)





a) (19×10) b) (19×100) c) (19×1)

9- $25.12 \times 10 =$ …….

a) 0.2512 b) 251.2 c) 2.512 d) 25120

10- $371.5 \times 100 =$ …….

a) 37.15 b) 3.715 c) 3715 d) 37150

11- $4.9 \div 10 =$ …….

a) 49 b) 490 c) 0.49 d) 0.049

12- $5 \times 0.1 =$ ……….

a) 50 b) 5 c) 0.5 d) 0.005

13- $13 \times 0.01 =$ ….

a) 0.13 b) 1.3 c) 13 d) 130

14- $12.85 \times 0.001 =$ ……

a) 1.285 b) 0.01285 c) 0.1285 d) 128.5

15- The division equation that matches the multiplication equation $15 \times 12 = 180$ is ……

a) $15\div12=180$ b) $180\div12=15$ c) $12 \div 15 = 180$



16- 364.1 ÷ 100 = ………

a)3.641 b)3641 c)36.41 d)36410

17-The missing value in the area model is …….

a)35 b) 3,500 c)350 d) 0.35

	40	5
70	2,800	?
2	80	10

18- (100+40+6) x (20+3) = ………

a)164x23 b) 146x32 c)146x23

19- 7.852 x ……….. = 785.2

a)10 b) 100 c)0.1 d)0.01

20-587.3 x ……….. = 5.873

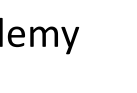
a)10 b) 100 c)0.1 d)0.01

21- 8l – 4l = ………… ml

a)4 b)3 c)4000 d)3000

22- 587 x 0= ………….

a)587 b)0 c)1 d)578





Q2)Complete

1- 75÷8=…………………………….

2- 16x23=

(10x20)+(10x…….)+(…….x……..)+(6 x 3)

3-The quotient in this equation 258÷2 = 129 is………..

4- 3.78 x 100 =………………….

5- ……… × 7 = 7, 000

6- 7 m. = ………cm

7-120 × 20 = ……….

8- 3 Liters = …………ml.

9- 13 kg =………..grams

10- 4 × 354 = [4 × 300] + [4 × 50] + [4 × …….]

11- 957.1 ÷ 100 = ……..

12-Fill the following area model:

	200	30	4
10	-------	300	-------
2	400	-------	8

The final answer = ……….

13- There are…………..grams in 15 kilograms.

14- (3 x 200) + (3 x 50) + (3 x 4) = 3 x ………..

15- 3,241 × 12 = …………

16- 915 × 24 = …………

17- 9 × 0.1 = ………

18- 3 × 1000 = ……...

19- 1 × 7.6 = ………..

20- In the equation 12 ÷ 6 = 2 , the dividend is ….,
while the divisor is ….

21- In the equation 19 ÷ 3 = 6 R…….

22- 3 thousandths × 10 = ………

23- 0.5 × …… = 50

24- Estimate the product of 5814 × 47 =…………

25- 65.4 x 0.7 = …………..

26- Quotient x divisor + remainder = ……………

Q3) Miscellaneous problems:

Put (> ,< , =)

7 m	☐	70 cm
1 x 524,697	☐	0 x 2
300 x 0.1	☐	3000 x 0.01
6987	☐	6.987 x 100
2.4 x 0.2	☐	24x0.02
9.873 tenths	☐	9.873 hundredths

Story problems:

1- A charity wants to distribute 3,125 pounds into 25 persons equally. What's the share of each person?

………………………………………………………………………

………………………………………………………………………

………………………………………………………………………

2- Mona bought 31 boxes of juices for 25 L.E each so how much money did she pay?

....

....

....

3- Kareem bought 25 boxes of candy for 110L.E. each. How much money did Kareem pay?

....

....

....

4-Sameh has 300 pounds to spend on new clothes. He buys 12 pairs for 21 pounds each. What is the left money with Sameh now?

....

....

....



5- Laila bought 150 blue pens and 121 green pens for her friends in a charity day . if the price of one pen = 15 pounds. What did she pay all?

……………………………………………………………………

……………………………………………………………………

……………………………………………………………………

Q1) Choose the correct answer:

1- 74÷9 =8 R2 so the dividend is…………

a)9 b) 8 c) 2 d) 74

2- 750 x 10,000=…………………………….

a)7,500,000 b) 75,000 c) 750 d) 7,500

3- 23 kg = ……………….g

a) 230 b) 2300 c)23000 d)23

4- 74÷9 =8 R2 so the quotient is…………

a)9 b) 8 c) 2 d) 74

5- 74÷9 =8 R2 so the divisor is…………

a)9 b) 8 c) 2 d) 74

6- 234x15 ………….254 x15

a) < b) > c)=

7- 19 × 521 = (19 × 500) + (19 × 20) + (……..)

a) (19×10) b)(19×100) c) (19×1)

8- 25.12 × 10 = …….

a) 0.2512 b)251.2 c)2.512 d)25120

9- $371.5 \times 100 =$ …….

a)37.15 b)3.715 c)3715 d) 37150

10- $4.9 \div 10 =$ …….

a) 49 b) 490 c)0.49 d) 0.049

11- $5 \times 0.1 =$ ……….

a) 50 b) 5 c) 0.5 d) 0.005

12- $13 \times 0.01 =$ ….

a) 0.13 b) 1.3 c) 13 d) 130

13- $12.85 \times 0.001 =$ ……

a) 1.285 b)0.01285 c) 0.1285 d) 128.5

14- The division equation that matches the multiplication equation $15 \times 12 = 180$ is ……

a)$15\div12=180$ b)$180\div12=15$ c)$12 \div 15 = 180$

15- $364.1 \div 100 =$ ………

a)3.641 b)3641 c)36.41 d)36410

16-The missing value in the area model is …….

a)35 b) 3,500 c)350 d) 0.35

	40	5
70	2,800	?
2	80	10

17- (100+40+6) x (20+3) = ………

a)164x23 b) 146x32 c)146x23

18- 7.852 x ……….. = 785.2

a)10 b) 100 c)0.1 d)0.01

19-587.3 x ……….. = 5.873

a)10 b) 100 c)0.1 d)0.01

20- 8l – 4l = ………… ml

a)4 b)3 c)4000 d)3000

21- 587 x 0= ………….

a)587 b)0 c)1 d)578

Q2)Complete

1- 75÷8= 9 r 3.

2- $16x23=$

$(10x20)+(10x3)+(6x20)+(6 x 3)$

3-The quotient in this equation $258 \div 2 = 129$ is 129

4- $3.78 \times 100 = 378$

5- $1000 \times 7 = 7,000$

6- 7 m. = $7 \times 100 = 700$ cm

7-$120 \times 20 = 2400$

8- 3 Liters = $3 \times 1000 = 3000$ ml.

9- 13 kg = $13 \times 1000 = 13000$ grams

10- $4 \times 354 = [4 \times 300] + [4 \times 50] + [4 \times 4]$

11- $957.1 \div 100 = 9.571$

12-Fill the following area model:

	200	30	4
10	2000	300	40
2	400	60	8

The final answer = $2000 + 300 + 400 + 40 + 60 + 8 = 2808$

13- There are 15000 grams in 15 kilograms.

14- $(3 \times 200) + (3 \times 50) + (3 \times 4) = 3 \times 254$

15- $3{,}241 \times 12 = 38{,}892$

16- $915 \times 24 = 21{,}960$

17- $9 \times 0.1 = 0.9$

18- $3 \times 1000 = 3000$

19- $1 \times 7.6 = 7.6$

20- In the equation $12 \div 6 = 2$, the dividend is 12, while the divisor is 6

21- In the equation $19 \div 3 = 6$ R1

22- 3 thousandths $\times$ 10 = $0.003 \times 10 = 0.03$

23- $0.5 \times 100 = 50$

24- Estimate the product of $5814 \times 47 = 6000 \times 50 = 300{,}000$

25- $65.4 \times 0.7 = 45.78$

26- Quotient x divisor + remainder = dividend

Q3) Miscellaneous problems:





Put (> ,< , =)

7 m	>	70 cm
1 x 524,697	>	0 x 2
300 x 0.1	=	3000 x 0.01
6987	>	6.987 x 100
2.4 x 0.2	=	24x0.02
9.873 tenths	>	9.873 hundredths

Story problems:

1- A charity wants to distribute 3,125 pounds into 25 persons equally. What's the share of each person?

The share of each person = 3125 ÷ 25 = 125 pounds (show your steps)

2- Mona bought 31 boxes of juices for 25 L.E each so how much money did she pay?

The total price = 31 x 25 = 775 LE (show your steps)

3- Kareem bought 25 boxes of candy for 110L.E. each. How much money did Kareem pay?

The total cost = 25 x 110 = 2750 LE (show your steps)

4-Sameh has 300 pounds to spend on new clothes. He buys 12 pairs for 21 pounds each. What is the left money with Sameh now?

Total price of pairs = 12 x 21 = 252 pounds (show your steps)

The remainder = 300 – 252 = 48 Pounds

5- Laila bought 150 blue pens and 121 green pens for her friends in a charity day . if the price of one pen = 15 pounds. What did she pay all?

Total price of all pens = (150+121) x 15 = 271x15=4065 pounds (show your steps)



Unit 3

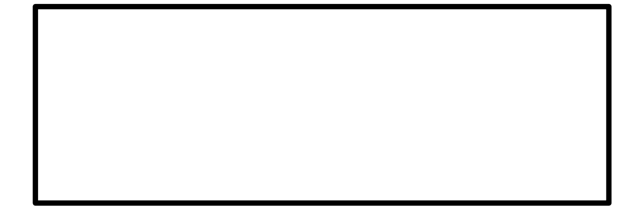
Lesson 1 (using the area model to multiply)

Ex1 : solve the following using area model :

1) 321 × 21 = ………



2) 615 × 43 = ……….



3) 207 × 13 = ………



4) 310 × 66 = ……..



Lesson 2 :(what is the algorithm)

Ex1 : solve the following :

1) 78

$\times$ 23

…………

…………..

……………

2) 86

$\times$ 17

………….

………….

……………

lesson 3 (multiplying multi-digit numbers)

Ex1 : solve the following :

1) 2378

× 21

………

………

………….

2) 8601

× 27

……….

………...

………….

Lesson4 (multiplication problems in the real numbers)

Ex1 : Amr ate 2 pieces of pizza each day ,the price of each piece is 7 L.E . how much money will he pay after 120 days ?

………………………………………………………………

………………………………………………………………

………………………………………………………………

………………………………………………………………

……………………………………………………………..

Ex2 : Adel sells 12 pies each day ,she sells each pie for 5 L.E . how much money she will gain after 150 days ?

………………………………………………………………

………………………………………………………………

………………………………………………………………

……………………………………………………………..

Unit 4

Lesson 1 :

Dividing by 2 digit number .

Using the area model to divide :

1) 2,613÷12 =…………………

2) 2,501 ÷28 =………………………

3)6,813 ÷12= ……………………

4) 7,236÷ 35 =……………………

Lesson 2

Estimating Quotients

Estimate the solution of each problem and use the appropriate strategy to solve:

1) $302 \div 14$ =……………………..

Estimation: ………………………….

Solution:……………………

2) $7550 \div 36$ = ………………………..

Estimation: ……………………………

Solution:………………………….

3) $5814 \div 47$ =……………………………

Estimation: ……………………………

Solution:……………………….

4) $6397 \div 28$ =……………………………

Estimation: ……………………………

Solution:……………………………….

Lesson 3

Using the Standard Algorithm to Divide

65 ÷ 15 =	97 ÷ 44 =
456 ÷ 63 =	837 ÷ 56 =
8,457 ÷32 =	9,807 ÷ 13 =

Lesson 4

Division with multiplication

Solve the problem then check it with multiplication:

1) 5325 ÷ 25=………

……………………………………………………………………………………………………

……………………………………………………………………………

……………………………………………………………………………………………………

……………………………………………………………………………………………………

2) 4316 ÷42=…………

……………………………………………………………………………………………………

……………………………………………………………………………

……………………………………………………………………………………………………

……………………………………………………………………………

3) 5850 ÷ 26=…………

……………………………………………………………………………………………………

……………………………………………………………………………

……………………………………………………………………………………………………

……………………………………………………………………………

4) 3594÷ 19 =……………………

……………………………………………………………………………………………………

……………………………………………………………………………

……………………………………………………………………………………………………

……………………………………………………………………………

Lesson 5

Multistep story problems

solve :

1) A baker made 480 serving of basbosa for a party . if each baking tray holds 14 servings of basbosa , how many trays will be needed to hold all the basbosa ?

....
....
....
....

2) Mom baked abatch of 215 balah el sham . two balah el sham fell on the floor leaving 10 on the platter , if 13 kids split

The remaining balah el sham equally , how many balah el sham will each child get ?

....
....
....
....

3) there were 29 girls and 47 boys in a class . the teacher asked them to work in groups of 12. How many groups were there ?

....
....
....
....

Unit 5

Concept 1 : multiplying decimals

Lesson 1 : multiplying by power of ten

Complete

1) 3 X 0.3 = ……………
2) 4 X 0.002 = ……………
3) 12 X 0.1 = …………..
4) 9 X 0.01 = ………….
5) 42 X0.01 = ……………
6) 54 X 0.001 = …………
7) 15 X 0.1 = ……….
8) 16.3 X 10 = ………..
9) 17.2 X 100 = ……….
10) 47.5 X 10 = ………..
11) 3.245 X 100 = ……………
12) 125.1 X0.01 = ………..
13) 205 X 0.01 = ………..

X	8	80	800
0.001			
0.01			
0.1			
1			
10			
100			

Lesson 2 : multiplying decimals by whole numbers.

Complete:

1) 2.4 X 5 = ……………

2) 0.32 X 4 = ……………

3) 4.02 X 6 = ……………

4) 3.16 X 4 = ……………..

5) 2.35 X 3 = ……………

6) 0.234 X 7 = …………...

7) 2.56 X 23 = ……………

8) 1.7 X 43 = ……………..

9) 1.37 X 4.5 = ……………

10) 3.51 X 21 = …………….

Lesson 3 : multiplying tenths by tenths

Complete:

1)0.2 X 0.2 = ………….

2)0.3 X 0.3 = ………..

3)0.2 X 0.4 = ………..

4)0.5 X 0.5 = ………..

5)0.6 X 0.7 = ………..

6)1.2 X 0.3 = ………..

7)1.3 X 0.4 = ………..

8)1.2 X 0.5 = ………….

9) 4.2 X 0.7 = ………….

10)3.5 X 0.2 = ………..

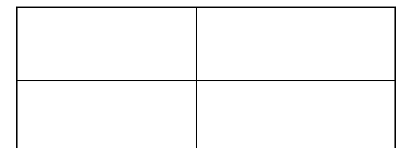
Lesson 4: Using the area model to multiply decimal.

Complete

1)70 X 2 = …………..	2)90 X 2= ……..
7 X 20 = ………	9 X 20 = …………
7 X 2 = …………	9 X 2 = ………..
0.7 X 2 = …………	0.9 X 2 = ………
7 X 0.2 = ………..	9 X 0.2 = …………
0.7 X 0.2 = ……….	0.9 X 0.2 = ………..
0.07 X 0.2 = ………….	0.09 X .02 = …………
0.7 X 0.02 = ……….	0.9 X 0.02 = …………
0.07 X 0.02 = …………..	0.09 X 0.02 = ……………..

Decimal area model

1)1.2 X 2.4 = ……………



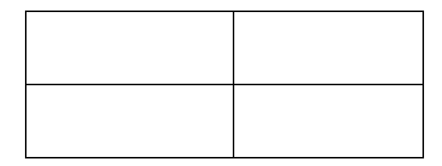
2)32.1 X 0.26 = ………….



3)2.3 X 4.2 = …………..



4)8.2 X 0.16 = ………..



5)2.15 X 0.35 = …………..

6)16.3 X2.6 = ………….

Unit (3) Assessment

[1] Choose the correct answer:

(1) 15×34 450

ⓐ $<$ ⓑ $>$ ⓒ $=$ ⓓ otherwise

(2) 42×88 is estimated as ....

ⓐ 2,300 ⓑ 4,200 ⓒ 3,600 ⓓ 6,300

(3) $27 \times 100 =$ ....

ⓐ 27,000 ⓑ 2,700 ⓒ 270 ⓓ 27

(4) $14 \times 27 = (10 \times 20) + (10 \times 7) + (4 \times 20) + (4 \times$ ......)

ⓐ 10 ⓑ 4 ⓒ 20 ⓓ 7

(5) $(20 \times 30) + (20 \times 9) + (7 \times 30) + (7 \times 9) =$ ....

ⓐ 29×37 ⓑ 92×73 ⓒ 27×39 ⓓ 72×93

[2] Complete:

(1) In the opposite area model,
The value of the unknown is ....

	50	6
4	200	24
20	1,000	?

(2) $32 \times 156 =$ ....

	100	50	6
2			
30			

[3] Find:

(1) Using any strategy find: 234×47.

....

(2) Mona uses 1,133 grams of sugar daily. How many grams does she use in 30 days? ....

Unit (4) Assessment

[1] Choose the correct answer:

(1) 1,530 ÷ 15 = ...

ⓐ 12 ⓑ 21 ⓒ 102 ⓓ 201

(2) 1,315 ÷ 12 is closest to ....

ⓐ 100 ⓑ 130 ⓒ 150 ⓓ 200

(3) 1,843 ÷ 16 = ...

ⓐ 115 R0 ⓑ 115 R1 ⓒ 115 R2 ⓓ 115 R3

(4) Gehad bought 14 meters of fabric, it costs 224 pounds, then the price of one meter is ....

ⓐ 14 ⓑ 41 ⓒ 16 ⓓ 63

(5) In the opposite area model, the quotient is ....

	100	50
7	1,050 − 700 350	350 − 350 0

ⓐ 100 ⓑ 50 ⓒ 150 ⓓ 150 R7

(6) In the opposite area model, the dividend is ....

	100	50
7	1,050 − 700 350	350 − 350 0

ⓐ 150 ⓑ 7 ⓒ 1,050 ⓓ 350

(7) In the opposite area model, the divisor is ....

	100	10	6
31	3,622 − 3,100 522	522 − 310 212	212 − 186 26

ⓐ 3,622 ⓑ 116 ⓒ 26 ⓓ 31

[2] Complete:

(1) 29 ÷ 4 = 7 R......

(2) .... ÷ 9 = 4.

(3) If: 31 ÷ 6 = 5 R1, then 5 × 6 + ... = 31

[3] Find:

(1) Salma baked 350 cakes, she put every 20 cakes in a bag. How many bags does she need? Are there any remainder cakes?

....

Exam (unit three)

Example (1) Choose the correct answer								
(1)	30 × .... = (30×12)+(30×2)+(30×4)							
(أ)	12	(ب)	14	(جـ)	16	(د)	18
(2)	490 .... 15 × 34							
(أ)	<	(ب)	>	(جـ)	=	(د)	غير ذلك
(3)	Estimation result: 97 x 51 is......................							
(أ)	4,000	(ب)	50,000	(جـ)	5,000	(د)	6,000
(4)	364×27 = ...							
(أ)	9,882	(ب)	8,928	(جـ)	9,828	(د)	2,898
(5)	Emad reads 25 pages daily. To calculate the number of pages read in 30 days, we use							
(أ)	30 + 25	(ب)	30 × 25	(جـ)	30 - 25	(د)	30 ÷ 25
(6)	17 × 51 = ...							
(أ)	687	(ب)	867	(جـ)	785	(د)	766
(7)	Estimate output: 97 x 603 using rounding to the nearest ten is							
(أ)	6,000	(ب)	600	(جـ)	60,000	(د)	7,000

Example (2): - Complete	
1	Mayar bought 14 meters of fabric, the price of one meter is 26 pounds, so the price of the fabric = ... pounds
2	5,617×56 = ...
3	36×99=(36×100)- ....
4	156 × 32 = ...
5	52 × 9 = (52 × 10) – ....
6	2,215 × 80 = ...
7	24 × .... = (20×30)+(20×7)+(4×30)+(4×7)
8	If: 4,700 = 100 x 47, then: .... = 99 x 47

Example (3) Choose the correct answer

(1)	168 × 32 = ...						
(أ)	9,056	(ب)	5,376	(جـ)	3,466	(د)	1,348
(2)	17 × 18 .... 20 × 11						
(أ)	<	(ب)	>	(جـ)	=	(د)	غير ذلك
(3)	(34×10)+(34×7) = 34 ×						
(أ)	70	(ب)	34	(جـ)	17	(د)	41
(4)	Estimated output: 62 x 199 is..............						
(أ)	12,000	(ب)	14,000	(جـ)	13,000	(د)	20,000
(5)	601×37=(1×7)+(600×7)+(600×30) + ...						
(أ)	30×70	(ب)	30×30	(جـ)	6×30	(د)	30
(6)	Estimate output: 1,654 x 15 using the first number from the left strategy is.............						
(أ)	10,000	(ب)	20,000	(جـ)	1,000	(د)	100,000
(7)	3,351 × 75 = ...						
(أ)	14,489	(ب)	251,325	(جـ)	25,379	(د)	125,959

Example (2): - Complete as required

1	A cargo delivery truck travels 1,278 kilometers per day. What is the distance traveled by the truck in 38 days? ....
2	45×59 = ... × (........ + ... + ...) =(...... × ......) + (...... × ......) + (...... × ......) = ... + ... + ... = ...
3	Ahmed has 3,000 piasters. If he buys 14 checkbooks, the price of one check is 150 piasters. Find the remaining amount. ....
4	Find the product: 54 × 5,841 ....

Exam (unit four)

Example (1) Choose the correct answer

(1)	If: (and the remainder is 4) 251 = 31÷7,785, then: 251×31 = ...						
(أ)	7,784	(ب)	7,782	(جـ)	7,781	(د)	7,783
(2)	560÷7 .... 720÷9						
(أ)	<	(ب)	>	(جـ)	=	(د)	غير ذلك
(3)	5,600 ÷ 80 = ...						
(أ)	7	(ب)	70	(جـ)	700	(د)	7,000
(4)	The remainder of the division: 156 ÷ 5 is....................						
(أ)	1	(ب)	10	(جـ)	2	(د)	7
(5)	Estimation result: 1,254 ÷ 12 is closer to................						
(أ)	100	(ب)	130	(جـ)	150	(د)	200
(6)	Jihad bought 14 meters of fabric for 224 pounds, so the price of one meter of fabric = ... pounds						
(أ)	14	(ب)	41	(جـ)	16	(د)	61
(7)	1,498 ÷ 17 = ...						
(أ)	88	(ب)	88 remainder) (2	(جـ)	89 remainder) (1	(د)	89 remainder) (2

Example (2): - Complete

1	Divisor = (Divisor x ....) + remainder
2	When dividing: 53 = 107÷ 2 , the remainder of the division =..........................
3	The divisor in the division problem: 14 = 1,050 ÷ 75 is ....
4	6,175 ÷ 49 = ...
5	1,725 ÷ .... = 69
6	The number which, if divided by 17, is divisible by 22, is ......
7	Estimation result: 490 ÷ 50 is............ ....
8	The remainder of the division: 156 ÷ 5 is ....

Example (3) Choose the correct answer

(1)	1,843 ÷ 16 = ...						
(أ)	115	(ب)	115 remainder) (1	(جـ)	115 (remainder 2)	(د)	115 remainder) (3
(2)	(143 × 13) + 5 = ...						
(أ)	1,864	(ب)	1,859	(جـ)	6,431	(د)	6,481
(3)	4,575 ÷ 15 >.........................						
(أ)	305	(ب)	301	(جـ)	315	(د)	400
(4)	234 ÷ 18 = 10 + ...						
(أ)	2	(ب)	3	(جـ)	4	(د)	8
(5)	Which of the expressions can be used to check the division problem: (And the remainder is 1) 261 = 9,658÷ 37						
(أ)	262×37	(ب)	262×37+1	(جـ)	262×20+1	(د)	262×1+37
(6)	The dividend in the division problem 121 = 4,235 ÷ 35 is..........						
(أ)	4,235	(ب)	35	(جـ)	121	(د)	1
(7)	The number that, if multiplied by 46, results in 2,576.................						
(أ)	55	(ب)	56	(جـ)	50	(د)	54

Example (2): - Complete as required

1	A library contains 821 books, of which the owner of the library sold 245 books, and distributed the rest equally on 12 shelves, so what is the number of books on each shelf? ....
2	Estimate, then find the quotient 928 ÷ 19 = 2,089 ÷ 36 = ...
3	A school divided a financial prize of 4,135 Egyptian pounds equally among 11 outstanding students. What is the value of the amount that each student will receive? Is there any part of the amount that cannot be distributed? ....

Unit 5

Exercises (1)

Example (1) Complete

1	10 × 6 = ……….	10	100 × 4 = ………
2	10 × ……… = 900	11	100 × ……… = 500
3	10 × ……… = 2,500	12	100 × ……… = 7,300
4	10 × 3.5= ………….	13	100 × 76.1 = ………….
5	100 × 37.72 = ………….	14	1,000 × 5.324 = ………….
6	1,000 × 3.25 = ………….	15	100 × 8.4 = ………….
7	637.24× 0.001 =…………….	16	26.38× 0.01 =…………………
8	748.37× 0.01 =…………….	17	56.25× 0.1 =…………………
9	8.0× 0.01 =…………….	18	0.7× 0.001 =…………….

Example (2) Complete

1	6.4 × ……… = 640	4	15.67 × ……… = 156.7
2	43.67× ……… = 0.4367	5	9.768 × ……… = 9,768
3	………. × 100 = 37.3	6	8.52 × ……… = 8,520

Example (4) Find the product

1	0.247 × 7 = ………..	2	96.35 × 2 = ………..	3	26.64 × 6 = ………..	4	8.15 × 4 = ………..
5	7.367 × 4 = …………	6	26.16 × 3 = …………	7	36.32 × 5 = …………	8	7.841 × 6 = …………

Example (5) Complete

1	$0.0379 \times 7 =$	4	$43.638 \times 6 =$ ....
2	$6.84 \times 5 =$	5	$51.268 \times 3 =$ ....
3	$17.15 \times 4 =$	6	$157.15 \times 8 =$ ....

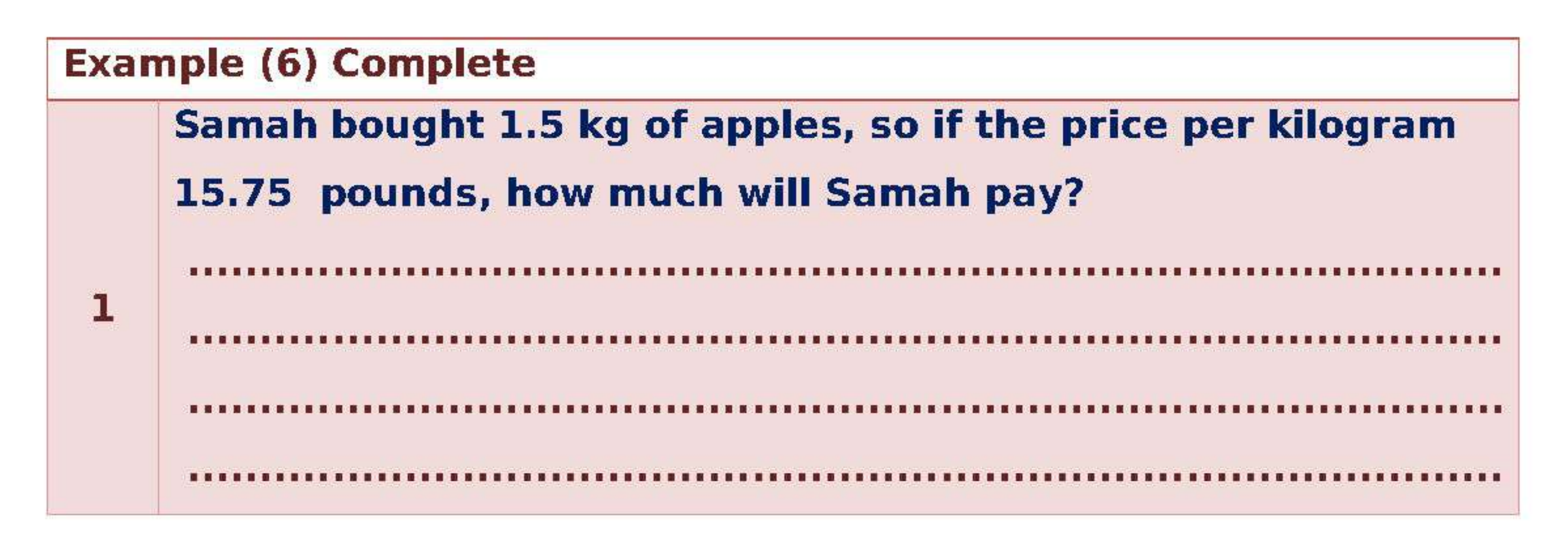
Example (6): - Read and then answer

1

$0.6 \times 0.5 =$..........

2

$1.5 \times 0.3 =$..........



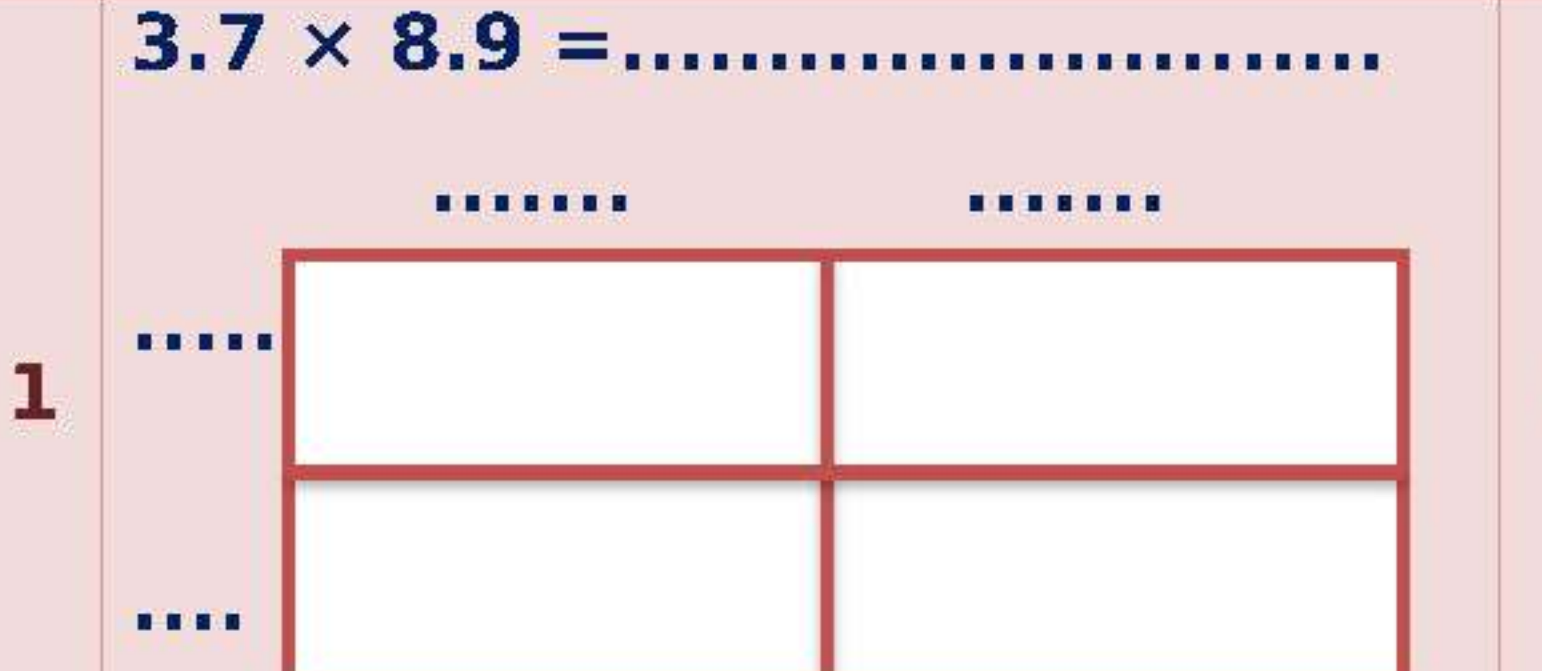
Example (6) Complete

1	Samah bought 1.5 kg of apples, so if the price per kilogram 15.75 pounds, how much will Samah pay? ....

Exercises (2)

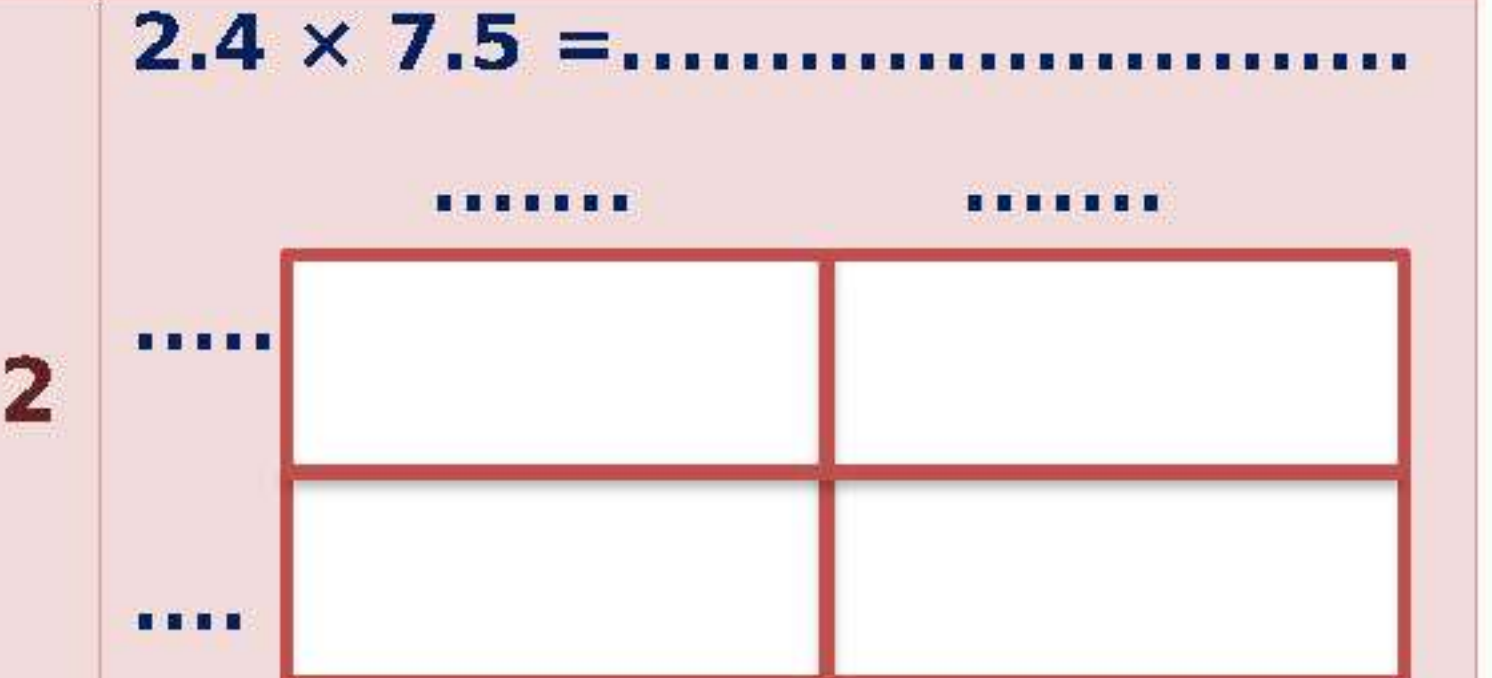
Example (1) Using the rectangle area model, find the product

1) 3.7 × 8.9 =........................



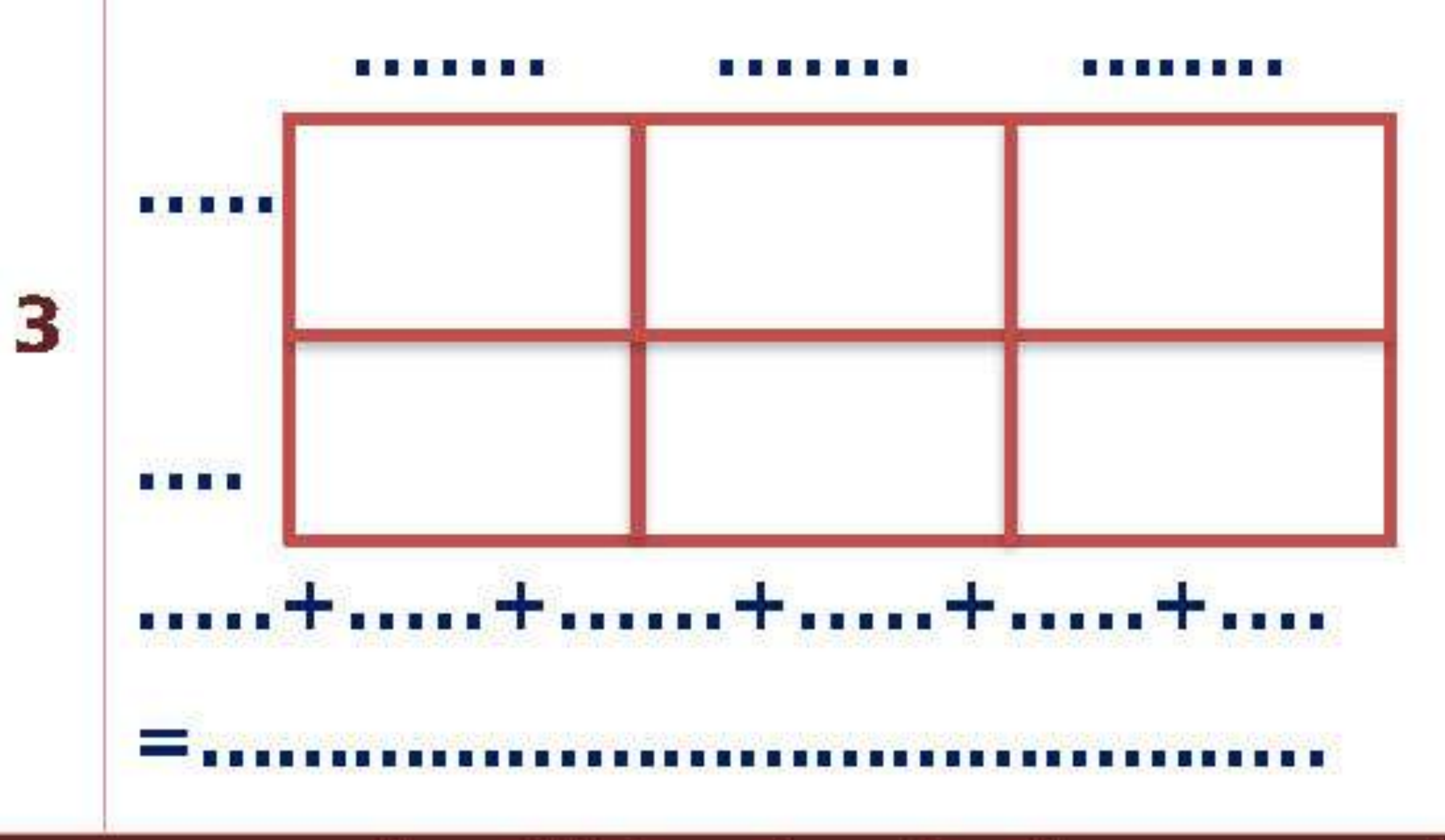


2) 2.4 × 7.5 =........................





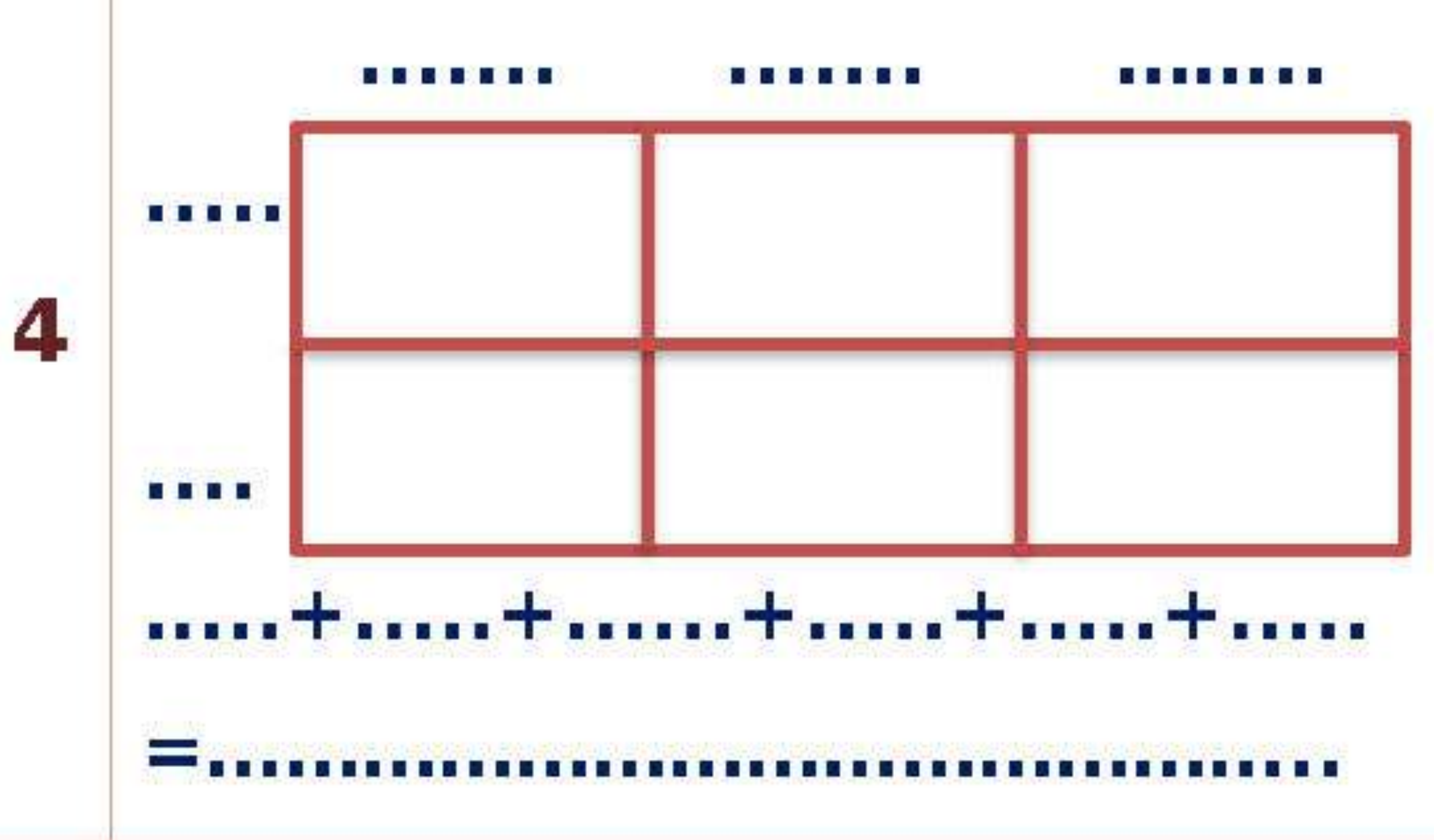
3) 47.5 × 8.1 =......................



.....+.....+......+.....+.....+....

=....................................

4) 62.7 × 3.1 =......................



.....+.....+......+.....+.....+.....

=....................................

Example (2) Find the product

1	41.52 × 0.73	2	84.31 × 8.2	3	92.52 × 0.3	4	38.7 × 4.3
5	5.89 × 0.27	6	23.7 × 0.37	7	62.82 × 6.5	8	6.52 × 7.2

Example (2) Find the product			
1	63.62 × 5.8 =…………………… ………………………………………… …………………………………………	2	4.849 × 0.5 =…………………… ………………………………………… …………………………………………
3	27.2 × 2.5 =…………………… ………………………………………… …………………………………………	4	9.41 × 6.3 =…………………… ………………………………………… …………………………………………

Example (3): - Complete	
1	If the price of a kilogram of apples is 4.8 pounds. How much is 5.3 kg ………………………………………………………………………… ………………………………………………………………………… …………………………………………………………………………
2	35 people participated in the trip, each person paid 35.76 pounds. Find out what they paid ………………………………………………………………………… ………………………………………………………………………… …………………………………………………………………………
3	An ant travels 5.4 meters per hour, find the distance it travels in 0.45 hours ………………………………………………………………………… ………………………………………………………………………… …………………………………………………………………………
4	The lion eats 52.41 kilograms of meat per day, how many kilograms does he eat in 1.5 days? ………………………………………………………………………… ………………………………………………………………………… …………………………………………………………………………
5	Hani paints pictures and gets paid 267.15 pounds per painting. What is the total amount that Hani gets for 23 paintings? ………………………………………………………………………… ………………………………………………………………………… …………………………………………………………………………
6	Roaa reads 31 pages a day, how many pages do you read in 3.5 days ? ………………………………………………………………………… ………………………………………………………………………… …………………………………………………………………………